



## SEQUENCE LISTING

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<120> JAPANESE MACAQUE HERPESVIRUS NUCLEIC ACID SEQUENCES AND THEIR USE

<130> 178-67426

<150> 10/276,524  
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<160> 172

<170> PatentIn version 3.2

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<210> 2

<211> 98

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 2

Met Arg Trp Ala Trp Phe Ser Pro Phe Leu Ser His Gln Leu Gly Val  
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Ser Asn His Ala Pro Ser Pro Gly Pro Thr Ser Ala Pro Leu Pro Ile  
20 25 30

Pro Leu Leu Pro Val Pro Ser Pro Ala Ser Met Leu Pro Ala Pro Thr  
35 40 45

Ala Leu Ser Val Arg Ser Pro Arg Ala Thr Cys Arg Ala Asp Leu Gly  
50 55 60

Arg Leu Pro Gly Gly Pro Gly Glu Gly Ser Gly Pro Val Ser Ser Cys  
65 70 75 80

Gly Pro Ala Thr Pro Ser His Ala Ala Gly Arg Leu Pro His Tyr Tyr  
85 90 95

Gln Pro

<210> 3  
<211> 425  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 3

Met Phe Val Leu Leu Ile Phe Ile Leu Leu Gln Pro Ala Ser Leu Glu  
1 5 10 15

Leu Leu Pro Ala Lys Leu Thr Ala Val Pro Thr Trp Cys Pro Pro His  
20 25 30

Pro Gly Asp Thr Tyr Leu Leu Thr Cys Arg Gly Thr Ser Thr Ala Arg  
35 40 45

Asp Gln Arg Ser Thr Gln Trp Phe Arg Asn Asn Thr Leu Met His Gly  
50 55 60

Ser Asn Phe Tyr Gly Arg Leu Val Ser Val Thr Pro Asn Ser Thr Ile  
65 70 75 80

Ser Asp Trp Tyr Ala Cys Gln Thr Lys Thr Thr Arg Ser Asn Ser  
85 90 95

Ile Asp Phe Arg Val Arg Ser Ser Arg Leu Thr Leu Gln Glu Arg Cys  
100 105 110

Ser Ser Tyr Gly Tyr Ser Asn Ala Asn Asn Thr Arg Val Leu Arg Cys  
115 120 125

Tyr Ser Gly Gly Asn Val Thr Leu Arg Asn Val Val Phe His Leu Asn  
130 135 140

Gly Thr Ala Val Ile Asn Gly Thr Thr Thr Asp Ile Tyr Thr Phe Val  
145 150 155 160

Leu Thr Glu Lys Thr Gly Gly Thr Tyr Tyr Cys Ser Ala Phe Ile Gly  
165 170 175

Thr Glu Lys Leu Tyr Ser Gln Lys Ile Asn Val Phe Phe Thr Ser Phe  
180 185 190

Thr Phe Lys His Thr Asp Asn Val Gln Asn Gly Ser Glu Phe Asn Lys  
195 200 205

Thr Glu Gln Ile Gln Gln Thr Ala Asn Val Gln His Thr Ala Asn Tyr

210

215

220

Val Val Phe Ser Val Pro Val Phe Ser Ile Gly Val Leu Thr Gly Ile  
225 230 235 240

Ala Ile Ser Leu Ile Met Cys Trp Leu Phe Thr Leu Arg Cys Asn Lys  
245 250 255

Asn Ser Glu Ser Ser Asn Asn Arg His Ala His Gln Thr Ser Tyr Ile  
260 265 270

Gln Pro Ser His Asn Gln His Ser His Thr Ser Glu Ser Thr Thr His  
275 280 285

Thr Tyr Arg Asn Asp His Gln Glu Glu Ser Ile Glu Glu Leu Pro Asn  
290 295 300

Gln His Thr Arg Lys Thr Asn Ser Cys Gln Thr Val Leu Leu Glu Val  
305 310 315 320

Lys Asn Val Ala Phe Asp Gly Pro Gln Gly Asn Leu His Asn Thr Asn  
325 330 335

Asp Glu Val Met Glu Gln Tyr Asp Asp Val Val Val Glu Asn Ile Glu  
340 345 350

Gln Thr Ser Tyr Asp Asn Asn Ile Glu Gln Met Asp Tyr Ser Asp Ile  
355 360 365

Ile Arg Pro Asn Phe Asn Tyr Tyr Ser Gly Leu Ile Leu Glu Glu Val  
370 375 380

Asp Glu Val Phe Tyr Asn Glu Leu Ala Asn Gln Tyr His Gly Leu Ile  
385 390 395 400

Leu Glu Asn Leu Asp His Asp Glu Tyr Asn His Leu Asn Lys Leu Asn  
405 410 415

Met Ile Glu Gln Tyr Asp Trp Leu Glu  
420 425

<210> 4  
<211> 193  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 4

Met Asp Ile Thr Val Asn Cys Ile Val Ala Val Asp Lys Gln Leu Gly  
1 5 10 15

Ile Gly Lys Asn Gly Thr Met Pro Trp Pro Tyr Leu Lys Asn Glu Met  
20 25 30

Met Tyr Phe Gln Lys Met Thr Ser Thr Pro Ser Val Ile Gly Glu Lys  
35 40 45

Asn Val Val Ile Met Gly Lys Arg Thr Trp Phe Ser Ile Pro Glu Lys  
50 55 60

Lys Arg Pro Leu Ala Asn Arg Ile Asn Ile Ile Leu Ser Arg Glu Leu  
65 70 75 80

Arg Glu Pro Pro Lys Gly Ala His Phe Leu Ala Arg Thr Leu Asp Asp  
85 90 95

Ala Phe Asn Phe Tyr Arg Gln Tyr Lys Leu Thr Lys Gln Leu Asn Thr  
100 105 110

Val Trp Val Ile Gly Gly Lys Ser Val Tyr Glu Ser Val Leu Asn Tyr  
115 120 125

Glu Cys Ser Leu Lys Leu Tyr Ile Thr Arg Ile Met Glu Ser Phe Asp  
130 135 140

Cys Asp Val Phe Phe Pro Ser Ile Asn Phe Thr Glu Tyr Thr Met Leu  
145 150 155 160

Ser Glu Leu Pro Gly Lys Asp Thr Asn Phe Glu Glu Asn Gly Ile Lys  
165 170 175

Tyr Lys Phe Gln Val Tyr Glu Lys Arg Leu Ile Asn Lys Ala Val Thr  
180 185 190

Gln

<210> 5

<211> 395

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 5

Met Arg Leu Ile Met Phe Trp Phe Pro Val Thr Val Cys Phe Val Cys  
1 5 10 15

His Phe Ile Leu Val Asn Ala Gln Asn Glu Thr Asn Val Thr Cys Asp  
20 25 30

Lys Pro Asn Phe Asp Arg Phe Met Val Ala Met Glu Lys Lys Glu Lys  
35 40 45

Tyr Val Leu Gly Asp Lys Val Glu Leu Thr Cys Arg Pro Gly Tyr Thr  
50 55 60

Leu Gln Gly Lys Val Tyr Val Gln Cys Leu Gln Ser Gly Met Trp Thr  
65 70 75 80

Thr Pro Asn Ala Glu Cys His Arg Lys Lys Cys Thr Asn Tyr Gly Asp  
85 90 95

Ile Leu Asn Gly Gln Val Ile Val Pro Asp Ser Asp Asn Ala Phe Lys  
100 105 110

Phe Gly Thr Asn Ile Thr Tyr Lys Cys Asn Thr Gly Tyr Leu Leu Leu  
115 120 125

Gly Ser Met Val Arg Thr Cys Leu Leu Thr Gly Asn Ser Asn Thr Val  
130 135 140

Asn Trp Gln Pro Ala Ala Pro Thr Cys Glu Ile Glu Lys Cys Lys Lys  
145 150 155 160

Gln Pro Asp Ile Glu Asn Gly Lys Tyr Tyr Pro Val Gln Asp Phe Tyr  
165 170 175

Asn Tyr Leu Glu Thr Ile Thr Phe Thr Cys Asn Lys Asp Phe Ser Leu  
180 185 190

Ile Gly Asn Thr Thr Thr Cys Met Thr Asn Gly Thr Trp Ser Ser  
195 200 205

Pro Val Pro Lys Cys Glu Gln Ile Thr Cys Ser Ala Pro Asn Ile Glu  
210 215 220

His Gly Thr Leu Leu Val Gly Ser Ser Arg Val Tyr Lys His Gly Gln  
225 230 235 240

Ser Ile Thr Ile Gly Cys Glu Asn Gly Phe Thr Leu Asn Gly His Lys  
245 250 255

Met Cys Thr Cys Glu Tyr Ser Ser Trp Asn Pro Pro Leu Pro Thr Cys  
260 265 270

Val Pro Ile Asn Lys Thr Val Pro Thr Pro Ser Glu Val Pro Ser Pro  
275 280 285

Gly Thr Asn Lys Gln Glu Arg Pro Thr Pro Glu Asn Pro Lys Ser His  
290 295 300

Glu Ser Glu Thr Thr Thr Glu Thr Pro Lys Thr Gly Thr His Lys Ser  
305 310 315 320

Glu Thr Pro Ser Lys Lys Ile Pro Asn Pro Glu Thr His Lys Pro Thr  
325 330 335

Thr Pro Lys Ser Gly Thr Ser Glu Gln Thr Thr Asn Arg Pro Ser Lys  
340 345 350

Ala Pro Ser Gln Asn Pro Pro Met Glu Pro Pro Met Ser Lys Trp Lys  
355 360 365

Arg His Val Val Leu Val Leu Phe Ala Ser Val Ala Ser Leu Leu Phe  
370 375 380

Val Leu Val Thr Leu Tyr Cys Cys Phe Leu Lys  
385 390 395

<210> 6  
<211> 1132  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 6

Met Ala Ser Lys Gly Asn Ala Gly Gln Pro Leu Glu Asp Asn Gln Gly  
1 5 10 15

Ser Arg Ala Pro Ile Gly Ala Cys Gly Tyr Val Tyr Ala Tyr Ser Lys  
20 25 30

Gln Asp Phe Pro Phe Ala Glu Ala Ser Ile Leu Gly Asn Arg Pro Ser  
35 40 45

Gly Ser Gly Val Phe Ser Leu Pro Ile Leu Tyr Gly Leu Thr Val Glu  
50 55 60

His Glu Phe Pro Leu Thr Val Lys Ala Ala His Lys Lys Val Asp Thr  
65 70 75 80

Thr Thr Leu Ala Val Lys Val Thr Cys Phe His Arg Glu Val Ile Val  
85 90 95

Phe His Asn Ala Asn Leu Phe Arg Pro Val Phe Glu Gly Thr Gly Leu  
100 105 110

Asn Glu Leu Cys Glu Glu Ala Arg Ala Leu Phe Gly Tyr Thr Gln Phe  
115 120 125

Ile Glu Pro Gly Pro Pro His Gly Ile Trp Asn Pro Leu Glu Cys Pro  
130 135 140

Gln Leu Pro Asp Lys Asp Glu Met Phe Leu Gly Val Val Val Thr Glu  
145 150 155 160

Gly Phe Lys Glu Arg Leu Trp Arg Gly Cys Leu Val Pro Ala Val Phe  
165 170 175

Gln Thr Gln Gln Val Gln Ile Ala Gly Arg Gln Ala Phe Lys Val Pro  
180 185 190

Leu Tyr Asp Glu Asp Leu Phe Ala Pro His Gly His Arg Met Pro Arg  
195 200 205

Phe Tyr His Lys Asp Val Ser Ala Tyr Leu Tyr Asn Ser Leu Phe Thr  
210 215 220

Ser Ile Ala Gln Ala Leu Arg Leu Lys Asp Val Thr Ala Val Ile His  
225 230 235 240

Ala Thr Glu Lys Gln Phe Met Gln Asp His Tyr Lys Ile Ala Lys Ile  
245 250 255

Val Gln Ala Lys Gln Phe Ser Thr Thr Leu Pro Lys Thr Ala Asp Gly  
260 265 270

Ser Ser His Met Ile Val Asp Ser Val Val Ala Glu Leu Ala Leu Ser  
275 280 285

Tyr Gly Cys Met Phe Leu Glu Cys Pro Gln Asp Ala Cys Glu Leu Leu  
290 295 300

Asn Tyr Asp Ser Trp Pro Ile Phe Asp Gly Cys Asp Ser Ser Glu Asp  
305 310 315 320

Arg Val Asn Ala Leu Glu Arg Trp Ser Ala Glu Gln Ala Val His Val  
325 330 335

Ala Gly Gln Leu Phe Ala Ala Asn Ser Val Leu Tyr Leu Thr Arg Val  
340 345 350

Gln Lys Gln Ala Pro Arg Gly Gln Lys Gly Asp Val Asn Val Tyr Asn  
355 360 365

Ser Phe Phe Leu Gln His Gly Leu Gly Phe Leu Asn Glu Ala Thr Ile  
370 375 380

Lys Glu Asn Gly Ser Glu Ala Phe Lys Gly Val Pro Ser Asn Ala Leu  
385 390 395 400

Asp Gly Ser Ser Phe Thr Pro Tyr His Leu Ala Tyr Ala Ala Ser Phe  
405 410 415

Ser Pro His Leu Leu Ala Lys Leu Cys Tyr Tyr Met Gln Phe Leu Gln  
420 425 430

His His Lys Ser Ser Thr Asn Gln Thr Phe Asn Ile Val His Tyr Val  
435 440 445

Gly Thr Ala Ala Asn Ser Glu Met Cys Thr Leu Cys His Gly Asp Thr  
450 455 460

Pro Gly Thr Cys Leu Asn Thr Leu Phe Tyr Arg Leu Lys Asp Arg Phe  
465 470 475 480

Pro Ala Val Thr Thr Pro Gln Arg Arg Asp Pro Tyr Val Val Thr Gly  
485 490 495

Thr Ala Gly Thr Phe Asn Asp Leu Glu Ile Leu Gly Asn Phe Ala Ser  
500 505 510

Phe Arg Asp Arg Glu Glu Asp Gly Asn Pro Ala Asp Glu His Pro Lys  
515 520 525

Tyr Thr Tyr Trp Gln Leu Cys Gln Thr Val Thr Glu Lys Leu Ser Ala  
530 535 540

Ile Gly Ile Thr Glu Asp Gln Asp Asn His Val Asn Leu Ile Thr Asn  
545 550 555 560

Ile Gln Ser Phe Leu Arg Val Phe Lys Gly Ile Asp Ser Val Val Asp  
565 570 575

Gly Glu Val Met Lys Phe Ile Asn Ser Met Ile Lys Asn Asn Phe Asn  
580 585 590

Phe Arg Glu His Val Lys Ser Val His His Ile Leu Gln Phe Cys Cys  
595 600 605

Asn Val Tyr Trp Gln Ala Pro Cys Ala Val Phe Leu Asn Leu Tyr Tyr  
610 615 620

Lys Ser Leu Leu Trp Ile Ile Gln Asp Ile Cys Leu Pro Tyr Cys Met  
625 630 635 640

Ile Tyr Glu Gln Asp Asn Pro Ala Met Gly Ile Leu Pro Ser Glu Trp  
645 650 655

Leu Lys Met His Phe Gln Thr Leu Trp Thr Asn Phe Lys Ala Ala Cys  
660 665 670

Leu Asp Arg Gly Val Leu Thr Gly Cys Glu Leu Lys Ile Val His Arg  
675 680 685

Asp Met Phe Cys Asp Phe Phe Asp Thr Asp Ala Gly Ser Asn Gly Leu  
690 695 700

Leu Ala Pro Phe Lys Met Gln Val Arg Ile Ala Arg Ala Met Met Val  
705 710 715 720

Val Pro Lys Ser Ile Lys Ile Lys Asn Arg Ile Ile Phe Ser Asn Thr  
725 730 735

Ala Gly Ser Glu Ala Val Gln Ser Gly Phe Val Lys Pro Thr Gly Thr  
740 745 750

Arg Asp Thr Tyr Val Val Ala Gly Pro Tyr Met Lys Phe Leu Asn Ser  
755 760 765

Leu His Arg Ala Leu Phe Pro Asn Thr Lys Thr Ala Ala Leu Tyr Leu  
770 775 780

Trp His Lys Ile Ser Gln Thr Asn Lys Thr Pro Val Leu Lys Asp Val  
785 790 795 800

Pro Asp Asp Glu Leu Ala Glu Leu Val Ser Tyr Val Lys Thr Asn Ser  
805 810 815

Leu Ala Phe Glu Glu Thr Asn Val Leu Asp Val Val Pro Asp Ser Leu  
820 825 830

Met Ser Tyr Ala Arg Ile Lys Leu Asn Gly Ala Ile Leu Arg Ala Cys  
835 840 845

Gly Gln Ile Gln Phe Tyr Ala Thr Thr Leu His Cys Leu Thr Pro Val  
850 855 860

Leu Gln Thr Ile Asp Ala Glu Glu Tyr Pro His Val Leu Gly Ser Ala  
865 870 875 880

Ala Ile Ala Thr Pro Val Ala Tyr Leu Ser Glu Ile Arg Gly Arg Thr  
885 890 895

Ala Leu Thr Val Gln Thr Ala Arg Gln Pro Val Ala Ala Thr Gly  
900 905 910

Arg Leu Arg Pro Val Ile Thr Val Pro Met Val Val Asn Lys Tyr Thr  
915 920 925

Gly Val Asn Gly Asn Asn Asn Val Phe His Cys Gly Asn Leu Gly Tyr  
930 935 940

Phe Ala Gly Arg Gly Val Asp Arg Asn Leu Trp Pro Glu Ser Ser Pro  
945 950 955 960

Phe Lys Lys Thr Gly Val Ser Ala Met Leu Arg Lys Arg His Val Met  
965 970 975

Met Thr Pro Ile Val Asp Arg Leu Ile Lys Arg Ala Ala Gly Gln Thr  
980 985 990

Ile Ser Thr Phe Glu Ala Glu Ser Val Lys Arg Ser Val Gln Ala Leu  
995 1000 1005

Leu Glu Asp Lys Asp Asn Pro Asn Leu Leu Lys Ser Val Ile Leu  
1010 1015 1020

Glu Leu Ile Arg His Leu Gly Lys Gly Cys Gln Asp Leu Ser Ser  
1025 1030 1035

Glu Asp Val Gln Tyr Tyr Leu Gly Asp Tyr Cys Met Leu Thr Asp  
1040 1045 1050

Glu Val Leu Phe Thr Leu Asp Asn Ile Ala Gln Ser Gly Val Pro  
1055 1060 1065

Trp Thr Phe Glu Asp Ala Gly Ala Leu Ile Glu Asp Arg Gln Asn  
1070 1075 1080

Thr Asp Asp Leu Gln Phe Val Asp Ser Asp Asp Ile Ala Thr Ala  
1085 1090 1095

Ser Cys Gln Pro Pro Glu Glu Gln Leu Pro Thr Pro Ser Ala Gly  
1100 1105 1110

Ala Leu Leu Ala Gly Lys Lys Arg Lys Ile Asn Val Leu Leu Ser  
1115 1120 1125

Asp Leu Asp Leu  
1130

<210> 7  
<211> 104  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 7

Met Val Leu His Glu Leu Phe Phe Cys Gly Val Asp Asp Arg Arg His  
1 5 10 15

Val Phe Glu Ser Gln Gly Leu Gly Asp Thr Gly Lys Lys Gly Val Val  
20 25 30

Glu Val Arg Ala Asn Val Phe Met Val Lys Pro Arg His Pro Met Pro  
35 40 45

Val Arg Cys Glu Gln Val Phe Val Val Gln Arg His Phe Glu Arg Leu  
50 55 60

Thr Pro Gly Asp Leu His Leu Leu Gly Leu Lys His Cys Gly Asn Glu

65

70

75

80

Thr Ala Pro Pro Gln Ser Leu Leu Lys Pro Phe Arg His Asp Asn Ala  
85 90 95

Lys Glu His Leu Ile Leu Val Arg  
100

<210> 8  
<211> 88  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 8

Met Ala Pro Phe Ser Leu Ile Leu Ala Tyr Asp Met Arg Glu Ser Gly  
1 5 10 15

Thr Thr Ser Ser Thr Phe Val Ser Ser Asn Ala Arg Leu Leu Val Leu  
20 25 30

Thr Tyr Asp Thr Ser Ser Ala Ser Ser Ser Gly Thr Ser Phe Arg  
35 40 45

Thr Gly Val Leu Leu Val Trp Glu Ile Leu Cys His Arg Tyr Ser Ala  
50 55 60

Ala Val Leu Val Phe Gly Asn Ser Ala Arg Trp Ser Glu Phe Arg Asn  
65 70 75 80

Phe Met Tyr Gly Pro Ala Thr Thr  
85

<210> 9  
<211> 86  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 9

Met Gln Arg Cys Gly Val Glu Leu Asn Leu Thr Ala Arg Pro Gln Asn  
1 5 10 15

Gly Pro Val Gln Phe Asn Pro Arg Val Arg His Glu Gly Ile Arg Asp  
20 25 30

His Val Gln His Val Arg Phe Leu Glu Arg Glu Ala Val Gly Phe Asp  
35 40 45

Val Arg His Gln Leu Arg Gln Leu Val Val Arg Asp Val Phe Gln Asp  
50 55 60

Trp Gly Phe Val Gly Leu Gly Asp Phe Val Pro Gln Val Gln Arg Gly  
65 70 75 80

Gly Leu Gly Val Trp Glu  
85

<210> 10  
<211> 83  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 10

Met Phe Leu Ala Arg Cys Ser Thr Ser Ser Asp Arg Leu Asp Val Ser  
1 5 10 15

Thr Glu Phe Cys Leu Arg Ser Ser Gly Arg Arg Ser Arg Phe Arg Phe  
20 25 30

Ser Ile Cys Val Phe Val Phe Arg Met Arg Glu Pro Ser Ile Leu Arg  
35 40 45

Gly Ser Ala Lys Thr Thr Arg Leu Arg Ser Thr Ala Arg Ala Asp Ser  
50 55 60

Cys Ala Tyr Lys Ala Ala Ser Ser Leu Ala Ile Val Val Arg Arg Pro  
65 70 75 80

Arg Phe Ser

<210> 11  
<211> 686  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 11

Met Ala Arg Glu Leu Ala Ala Leu Tyr Ala Gln Leu Ser Ala Leu Ala  
1 5 10 15

Val Asp Leu Ser Leu Val Val Phe Ala Asp Pro Arg Ser Ile Asp Gly  
20 25 30

Ser Arg Ile Leu Lys Thr Lys Thr Gln Ile Glu Asn Leu Asn Arg Asp

35

40

45

Leu Leu Pro Leu Leu Arg Lys Gln Asn Ser Val Glu Thr Ser Ser Leu  
 50 55 60

Ser Leu Glu Val Glu His Leu Ala Lys Asn Ile Glu Asp Lys Leu Gly  
 65 70 75 80

Glu Leu Glu Arg Ser Leu Arg Gln Arg Tyr Ser Ser Arg Glu His Phe  
 85 90 95

Glu Thr Leu His Leu Arg Pro Glu Cys His Tyr His Ala Thr Val Thr  
 100 105 110

Phe Glu Phe Tyr Gly Gly Leu Ile Asp Val Asn Met Cys Leu Ile  
 115 120 125

Asn Asp Val Glu Leu Leu Cys Lys Arg Leu Gly Ser Val Phe Tyr Cys  
 130 135 140

Ile Gly Ala Asn Glu Ala Leu Ser Gly Leu Asp Arg Val Leu Ala Phe  
 145 150 155 160

Leu Ser Thr Leu Arg Gly Ile Ser Pro Ile Pro His Pro Asp Leu Tyr  
 165 170 175

Val Thr Ser Val Pro Cys Val Gln Cys Leu Arg Glu Ile Glu Leu Val  
 180 185 190

Pro Asn Gln Gly Ser Ser Leu Leu Ala Val Leu Ala Asp Arg His Cys  
 195 200 205

Asp His Leu Cys Lys Lys Val Arg Ala Glu Pro Ile His Gly Leu Phe  
 210 215 220

Glu Thr Glu Leu Ser Gln Leu Gly Leu Lys Val Ala Lys Gly Ser Asp  
 225 230 235 240

Ala Thr Gln His Gly Val Arg Ser Ser Ala Asp Gln Leu Arg Glu Ser  
 245 250 255

Ser Leu Ala Ala Ile Gln Asp His Asn Ile Phe Lys Arg Val Ser Ala  
 260 265 270

Ser Ile Met Glu Leu Ser Asn Leu Ile Tyr Trp Asn Ala Gly Gln Thr

275

280

285

Gly Leu Gln Thr Gly Thr Glu Asn Glu Cys Ser Gln Met Ala Lys Leu  
290 295 300

Leu Thr His Glu Ala Glu Met His Glu His Arg Ala Leu Ile Thr Pro  
305 310 315 320

Lys Gln Ser Ala Ala His Phe Tyr Asp Cys Phe Arg Pro Asp Pro Ile  
325 330 335

Glu Ser Leu Phe Cys Gly Gly Leu Phe Asn Ser Ile Asp Asp Thr Ile  
340 345 350

Asn Ala Leu Ser Arg Asp Cys Ser Val Thr Phe Phe Gln Gln Ala Asn  
355 360 365

Tyr Thr Asn Val Met Arg Lys Gln Asn Glu Leu Phe Thr Arg Leu Asn  
370 375 380

Ser Ile Leu Cys Gln Gly Ser Ala Gly Ser Gln Lys Pro Ala Thr Pro  
385 390 395 400

Ser Glu Pro Arg Thr Ala Thr Val Ala Ala Thr Ala Ala Ser Asp Val  
405 410 415

Ile Lys Asp Ala Gln Tyr Arg Lys Glu Gln Tyr Met Lys Lys Val Ala  
420 425 430

Arg Asp Gly Phe Lys Lys Leu Thr Glu Cys Leu Gln Thr Gln Ser Ala  
435 440 445

Val Leu Ala Asn Ala Leu Cys Met Arg Val Trp Gly Gly Val Ala Tyr  
450 455 460

Gly Glu Ala Ser Glu Leu Val Asn His Phe Leu Leu Arg Arg Arg Phe  
465 470 475 480

Val Ala Leu Pro Trp Glu Ala Arg Cys Arg Ser Asn Gln Ile Leu Phe  
485 490 495

Glu Asn Ser Lys Tyr Ile Lys Asn Ser Leu Tyr Ser Gln Arg Leu Ser  
500 505 510

Arg Glu His Val Glu Ile Ile Thr Leu Gln Phe Tyr Gly Leu Ile Thr

515

520

525

Gly Pro Leu Thr Arg Gln Ser Asp Leu Phe Pro Gly Pro Ala Asn Val  
530 535 540

Val Leu Ala Gln Cys Phe Glu Ala Ala Gly Met Leu Pro His His Lys  
545 550 555 560

Met Leu Val Ser Glu Met Ile Trp Pro Gln Ile Gln Pro Lys Asp Trp  
565 570 575

Ile Asp Gln Thr Phe Asn Arg Phe Tyr Gln Leu Pro Glu Gly Asp Leu  
580 585 590

Asn Ala Val Gln Lys Ser Ala Trp Cys Phe Ile Arg Glu Leu Val Leu  
595 600 605

Ser Val Ala Leu Tyr Asn Arg Thr Trp Glu Lys Thr Leu Arg Ile Phe  
610 615 620

Ser Leu Ala Arg Glu Lys Pro Ser Ile Ser Asp Leu Asp Val Lys Ser  
625 630 635 640

Leu Thr Pro Gly Leu Tyr Leu Thr Tyr Glu Gln Asn Thr Pro Leu Val  
645 650 655

Leu Ile Ser Gln Asn Thr Gly Trp Ile Phe Lys Asp Leu Tyr Ala Leu  
660 665 670

Leu Tyr His His Leu Gln Leu Ser Asp Gly His Asp Asp Asn  
675 680 685

<210> 12

<211> 107

<212> PRT

<213> Japanese Macaque Herpesvirus

<400>. 12

Met Trp Gly Thr Ile Phe Phe Leu Asn Thr Ile Arg Met Pro Ser Trp  
1 5 10 15

Cys Val Leu Ser Ser Val Pro Gly His Val Phe Ser Arg Leu Asn Leu  
20 25 30

Lys Ser Ser Pro Val Ala Glu Ala Leu His Thr Arg Asn Leu Asn Ala  
35 40 45

Ser Ala Leu Gly Gly Phe Ser Gly Gly Val Gly Val Asp Gly Pro Gly  
50 55 60

Val Asp Phe Ala Val Val Val Thr Pro Phe Gly Val Val Thr Phe Ser  
65 70 75 80

Pro Thr Ala Ala Pro Ile Ala Ile Ile Thr Thr His Ala Arg Ser Arg  
85 90 95

Arg Arg Val Arg Leu Val Ile Ile Met Ala Val  
100 105

<210> 13  
<211> 828  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 13

Met Met Ile Thr Asn Arg Thr Arg Arg Leu Leu Arg Ala Trp Val Val  
1 5 10 15

Ile Ile Ala Ile Gly Ala Ala Val Gly Glu Asn Val Thr Thr Pro Lys  
20 25 30

Gly Val Thr Thr Ala Lys Ser Thr Pro Gly Pro Ser Thr Pro Thr  
35 40 45

Pro Pro Glu Asn Pro Pro Arg Ala Glu Ala Phe Lys Phe Arg Val Cys  
50 55 60

Ser Ala Ser Ala Thr Gly Glu Leu Phe Arg Phe Asn Leu Glu Lys Thr  
65 70 75 80

Cys Pro Gly Thr Glu Asp Lys Thr His Gln Glu Gly Ile Leu Met Val  
85 90 95

Phe Lys Lys Asn Ile Val Pro His Ile Phe Lys Val Arg Arg Tyr Arg  
100 105 110

Lys Val Ala Thr Ser Val Thr Val Tyr Arg Gly Trp Thr Glu Thr Ala  
115 120 125

Val Thr Gly Lys Gln Glu Val Ile Arg Pro Val Pro Gln Tyr Glu Ile  
130 135 140

Asn His Met Asp Thr Thr Tyr Gln Cys Phe Ser Ser Met Arg Val Asn  
145 150 155 160

Val Asn Gly Ile Glu Asn Thr Tyr Thr Asp Arg Asp Phe Thr Asn Gln  
165 170 175

Thr Val Phe Leu Gln Pro Val Glu Gly Leu Thr Asp Asn Ile Gln Arg  
180 185 190

Tyr Phe Ser Gln Pro Val Leu Tyr Thr Pro Gly Trp Phe Pro Gly  
195 200 205

Ile Tyr Arg Val Arg Thr Thr Val Asn Cys Glu Ile Val Asp Met Ile  
210 215 220

Ala Arg Ser Ala Glu Pro Tyr Ser Tyr Phe Val Thr Ala Leu Gly Asp  
225 230 235 240

Thr Val Glu Val Ser Pro Phe Cys Leu Asn Asp Ser Thr Cys Ser Val  
245 250 255

Ala Asp Lys Ala Glu Asn Gly Leu Gly Val Arg Val Leu Thr Asn Tyr  
260 265 270

Thr Ile Val Asp Phe Ala Thr Arg Thr Pro Thr Thr Glu Thr Arg Val  
275 280 285

Phe Ala Asp Ser Gly Glu Tyr Thr Val Ser Trp Lys Ala Glu Asp Pro  
290 295 300

Lys Ser Ala Val Cys Ala Leu Thr Leu Trp Lys Thr Phe Pro Arg Ala  
305 310 315 320

Ile Gln Thr Thr His Glu Ala Ser Tyr His Phe Val Ala Asn Asp Val  
325 330 335

Thr Ala Thr Phe Thr Ser Pro Leu Ser Glu Val Ala Asn Phe Thr Gly  
340 345 350

Thr Tyr Ser Cys Leu Asp Asn Val Ile Gln Lys Thr Leu Asn Ala Thr  
355 360 365

Ile Lys Lys Leu Ser Asp Thr His Ala Ala Asn Gly Ser Ala Gln Tyr  
370 375 380

Tyr Glu Thr Glu Gly Gly Leu Phe Leu Leu Trp Gln Pro Leu Thr Gln  
385 390 395 400

Leu Ser Leu Val Asp Glu Met Arg Gly Leu Asn Asp Thr Thr Pro Ala  
405 410 415

Pro Pro Thr Thr Ser Thr Ala Ser Arg Val Arg Arg Ser Val Asp Thr  
420 425 430

Asn Ser Gln Thr Ala Glu Asp Leu Ala Ala Pro Gln Leu Gln Phe Ala  
435 440 445

Tyr Asp Lys Leu Arg Ala Ser Ile Asn Lys Val Leu Glu Glu Leu Ser  
450 455 460

Arg Ala Trp Cys Arg Glu Gln Val Arg Asp Thr Tyr Met Trp Tyr Glu  
465 470 475 480

Leu Ser Lys Ile Asn Pro Thr Ser Val Met Thr Ala Ile Tyr Gly Arg  
485 490 495

Pro Val Ser Ala Lys Phe Val Gly Asp Ala Ile Ser Val Thr Asp Cys  
500 505 510

Val Thr Val Asp Gln Gly Ser Val Ser Ile His Lys Ser Leu Arg Thr  
515 520 525

Ser Thr Pro Gly Ile Cys Tyr Ser Arg Pro Pro Val Thr Phe Arg Phe  
530 535 540

Leu Asn Ser Thr Thr Leu Phe Lys Gly Gln Leu Gly Pro Arg Asn Glu  
545 550 555 560

Ile Ile Leu Thr Asp Asn Gln Val Glu Ala Cys Lys Glu Thr Cys Glu  
565 570 575

His Tyr Phe Ile Ala Ser Asn Val Thr Tyr Tyr Tyr Lys Asp Tyr Val  
580 585 590

Phe Val Lys Lys Ile Asn Thr Ser Glu Ile Ser Thr Leu Gly Thr Phe  
595 600 605

Ile Ala Leu Asn Leu Ser Phe Ile Glu Asn Ile Asp Phe Arg Val Ile  
610 615 620

Glu Leu Tyr Ser Arg Ala Glu Lys Lys Leu Ser Gly Ser Val Phe Asp  
625 630 635 640

Ile Glu Thr Met Phe Arg Glu Tyr Asn Tyr Tyr Thr Gln Arg Leu Ala  
645 650 655

Gly Leu Arg Glu Asp Leu Asp Asn Thr Ile Asp Leu Asn Arg Asp Arg  
660 665 670

Leu Ala Arg Asp Leu Ser Asp Ile Val Ala Asp Leu Gly Asp Val Gly  
675 680 685

Arg Thr Val Val Asn Val Ala Ser Ser Val Ile Thr Leu Phe Gly Ser  
690 695 700

Ile Val Ser Gly Phe Ile Asn Phe Ile Lys Ser Pro Phe Gly Gly Met  
705 710 715 720

Leu Met Ile Leu Val Ile Val Ala Val Ile Leu Ile Val Phe Ala Leu  
725 730 735

Asn Arg Arg Thr Asn Ala Ile Ala Gln Ala Pro Ile Arg Met Ile Tyr  
740 745 750

Pro Asp Ile Asp Lys Met Gln Pro Ser Gly Gly Lys Val Asp Gln Glu  
755 760 765

Gln Ile Lys Asn Ile Leu Ala Gly Met His Gln Leu Gln Gln Glu Glu  
770 775 780

Arg Arg Arg Leu Asp Glu Lys Gln Arg Ser Ala Pro Ser Leu Phe Arg  
785 790 795 800

Arg Ala Ser Asp Gly Leu Lys Arg Arg Phe Arg Gly Tyr Lys Pro Leu  
805 810 815

Glu Asn Glu Glu Ala Gln Glu Tyr Glu Met Asn Lys  
820 825

<210> 14  
<211> 97  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 14

Met Gly Ala Trp Ala Met Ala Leu Val Arg Arg Phe Ser Ala Asn Thr  
1 5 10 15

Ile Arg Met Thr Ala Thr Ile Thr Arg Ile Met Ser Met Pro Pro Asn  
20 25 30

Gly Leu Phe Ile Lys Leu Met Asn Pro Leu Thr Ile Asp Pro Asn Arg  
35 40 45

Val Ile Thr Leu Leu Ala Thr Leu Thr Thr Val Arg Pro Thr Ser Pro  
50 55 60

Arg Ser Ala Thr Ile Ser Asp Arg Ser Arg Ala Arg Arg Ser Arg Phe  
65 70 75 80

Arg Ser Ile Val Leu Ser Arg Ser Ser Arg Ser Pro Ala Ser Arg Cys  
85 90 95

Val

<210> 15  
<211> 1012  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 15

Met Asp Phe Phe Asn Pro Tyr Leu Gly Pro Arg Gly Pro Arg Pro Pro  
1 5 10 15

Ser His Lys Cys Thr Asp Ala Pro Ala Pro Ala Gly Ala Val Gln Pro  
20 25 30

Pro Pro Asp Val Cys Arg Leu Ile Pro Ala Cys Leu Arg Thr Pro Gly  
35 40 45

Ala Gly Gly Met Ile Pro Val Thr Ile Pro Phe Pro Pro Thr Tyr Phe  
50 55 60

Glu Asn Gly Ala Arg Gly Asp Val Leu Leu Ala His Glu Arg Ser Met  
65 70 75 80

Trp Thr Ala Arg Gly Gln Arg Pro Val Val Pro Asp Pro Gln Asp Gln  
85 90 95

Ser Ile Thr Phe His Ala Tyr Asp Val Val Glu Thr Thr Tyr Ala Ala

100                    105                    110

Asp Arg Cys Ala Glu Val Pro Ser Arg Phe Gln Thr Asp Ile Ile Pro  
115                    120                    125

Ser Gly Thr Val Leu Lys Leu Leu Gly Arg Thr Glu Asn Gly Thr Ser  
130                    135                    140

Val Cys Val Asn Val Phe Arg Gln Gln Val Tyr Phe Tyr Ala Lys Val  
145                    150                    155                    160

Pro Ala Gly Val Asn Val Thr His Val Leu Gln Gln Ala Leu Lys Asn  
165                    170                    175

Thr Ala Gly Arg Ala Ala Cys Gly Phe Ser Thr Arg Arg Val Thr Lys  
180                    185                    190

Lys Ile Leu Lys Thr Tyr Asp Val Ala Glu His Pro Val Thr Glu Ile  
195                    200                    205

Thr Leu Ser Ser Gly Ser Met Leu Ser Thr Leu Ser Asp Arg Leu Val  
210                    215                    220

Ala Cys Gly Cys Glu Val Phe Glu Ser Asn Val Asp Ala Val Arg Arg  
225                    230                    235                    240

Phe Val Leu Asp His Gly Phe Thr Thr Phe Gly Trp Tyr Ser Cys Ala  
245                    250                    255

Arg Ala Thr Pro Arg Leu Ala Ala Arg Asp Ala Arg Thr Ala Leu Glu  
260                    265                    270

Phe Asp Cys Ser Trp Glu Asp Leu Ser Val Gln Ala Asp Arg Ser Asp  
275                    280                    285

Trp Pro Pro Tyr Arg Ile Val Ala Phe Asp Ile Glu Cys Met Gly Glu  
290                    295                    300

Ala Gly Phe Pro Cys Ala Thr Arg Asp Gly Asp Ala Val Ile Gln Ile  
305                    310                    315                    320

Ser Cys Val Phe Tyr Thr Arg Glu Gly Ala Pro Asn Pro Pro Asn  
325                    330                    335

Ile Leu Phe Ser Val Gly Thr Cys Asp Pro Ile Pro Asp Thr Asp Val

340

345

350

Leu Glu Phe Pro Ser Glu Tyr Asp Met Leu Val Ser Phe Phe Ala Met  
355 360 365

Leu Arg Asp Phe Glu Val Asp Phe Leu Thr Gly Tyr Asn Ile Ser Asn  
370 375 380

Phe Asp Leu Pro Tyr Leu Ile Thr Arg Ala Ser Gln Val Tyr Asn Leu  
385 390 395 400

Arg Leu Asn Glu Tyr Thr Lys Ile Lys Thr Gly Ser Ile Phe Glu Val  
405 410 415

His Glu Pro Arg Gly Gly Gly Phe Met Arg Ser Val Ser Lys  
420 425 430

Ile Lys Ile Ala Gly Ile Val Pro Ile Asp Met Tyr Gln Val Cys Arg  
435 440 445

Glu Lys Leu Ser Leu Ser Asp Tyr Lys Leu Asp Thr Val Ala Arg Gln  
450 455 460

Cys Leu Gly Gly Lys Lys Glu Asp Val Ser Tyr Lys Asp Ile Pro Pro  
465 470 475 480

Leu Phe Arg Ser Gly Pro Gly Arg Ala Lys Val Gly Ser Tyr Cys  
485 490 495

Val Met Asp Ser Val Leu Val Met Asp Leu Leu Lys Met Phe Met Ile  
500 505 510

His Val Glu Ile Ser Glu Ile Ala Lys Leu Ala Lys Ile Gln Ala Arg  
515 520 525

Arg Val Leu Thr Asp Gly Gln Gln Leu Arg Val Phe Ser Cys Leu Leu  
530 535 540

Glu Ala Ala Ala Arg Asp Asn Phe Ile Leu Pro Val Pro Thr Pro Glu  
545 550 555 560

Gly Gln Gly Gly Tyr Gln Gly Ala Thr Val Ile Asn Pro Ile Pro Gly  
565 570 575

Phe Tyr Asp Glu Pro Val Leu Val Val Asp Phe Ala Ser Leu Tyr Pro

580

585

590

Ser Ile Ile Gln Ala His Asn Leu Cys Tyr Ser Thr Met Ile His Gly  
595 600 605

Arg Asp Leu His Leu His Pro Asn Leu Thr Pro Asp Asp Tyr Glu Thr  
610 615 620

Phe Val Leu Ser Gly Gly Pro Val His Phe Val Lys Lys His Lys Arg  
625 630 635 640

Glu Ser Leu Leu Gly Arg Leu Leu Thr Val Trp Leu Glu Lys Arg Arg  
645 650 655

Ala Ile Arg Arg Thr Leu Ala Ala Cys Asp Asp Pro Ser Leu Lys Thr  
660 665 670

Ile Leu Asp Lys Gln Gln Leu Ala Ile Lys Val Thr Cys Asn Ala Val  
675 680 685

Tyr Gly Phe Thr Gly Val Ala Ser Gly Leu Leu Pro Cys Ile Asn Ile  
690 695 700

Ala Glu Thr Val Thr Leu Arg Gly Arg Thr Met Leu Glu Met Ser Lys  
705 710 715 720

Ser Tyr Val Glu Ala Leu Thr Thr Asp Asn Leu Arg Thr Arg Leu Gly  
725 730 735

Arg Glu Val Thr Ala Cys His Gly Ala Arg Phe Arg Val Val Tyr Gly  
740 745 750

Asp Thr Asp Ser Leu Phe Ile Ala Cys Asp Gly Tyr Ser Ala Glu Ala  
755 760 765

Val Ser Ala Phe Cys Asp Asp Leu Ala Ala Arg Ile Thr Ala Asp Leu  
770 775 780

Phe Pro Pro Pro Ile Lys Leu Glu Ala Glu Lys Thr Phe Lys Cys Leu  
785 790 795 800

Leu Leu Leu Thr Lys Lys Arg Tyr Ile Gly Val Leu Leu Asn Asp Lys  
805 810 815

Met Val Met Lys Gly Val Asp Leu Ile Arg Lys Thr Ala Cys Lys Phe

820

825

830

Val Gln Glu Arg Cys Arg Ser Ile Leu Asp Leu Val Leu His Asn Gln  
835 840 845

Glu Val Lys Ala Ala Ala Arg Leu Leu Cys Lys Arg Pro Pro His Ala  
850 855 860

Val Tyr Glu Glu Gly Leu Pro Ala Gly Phe Ile Lys Ile Val Glu Val  
865 870 875 880

Leu Asn Ala Ser Tyr Val Asp Leu Arg Asn Ser Val Val Pro Ile Glu  
885 890 895

Gln Leu Thr Phe Ser Thr Glu Leu Ser Arg Pro Val Cys Asp Tyr Lys  
900 905 910

Thr Thr Asn Leu Pro His Leu Ala Val Tyr Gln Lys Leu Ala Ser Arg  
915 920 925

Cys Glu Glu Leu Pro Gln Val His Asp Arg Ile Pro Tyr Val Phe Val  
930 935 940

Asp Ala Pro Gly Ala Leu Lys Ser Asp Leu Ala Glu His Pro Asp Tyr  
945 950 955 960

Val Lys Gln His Gln Ile Pro Val Ala Val Asp Leu Tyr Phe Asp Lys  
965 970 975

Leu Val His Gly Ala Ala Asn Ile Leu Gln Cys Leu Phe Gly Asn Asn  
980 985 990

Ala Asp Thr Thr Val Ala Ile Leu Tyr Asn Phe Leu Asn Val Pro Tyr  
995 1000 1005

Lys Leu Phe Ser  
1010

<210> 16  
<211> 186  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 16

Met Leu Arg Asp Val Val Arg Phe Glu Asn Phe Phe Gly Tyr Ser Ser  
1 5 10 15

Gly Arg Glu Ala Ala Arg Gly Pro Ala Gly Gly Val Leu Glu Gly Leu  
20 25 30

Leu Glu Asp Val Gly Asp Val Asp Ala Gly Trp Asp Leu Arg Val Glu  
35 40 45

Ile Tyr Leu Leu Thr Glu His Val His Ala His Ala Gly Ala Val Leu  
50 55 60

Gly Ser Pro Gln Glu Leu Glu His Gly Ser Ala Arg Asn Asn Val Arg  
65 70 75 80

Leu Glu Ala Ala Arg Tyr Leu Gly Ala Pro Val Arg Arg Val Arg Arg  
85 90 95

Phe Asn Asp Val Val Arg Val Lys Arg Asn Gly Leu Val Leu Gly Val  
100 105 110

Arg Asp Asp Trp Pro Leu Ala Ala Arg Arg Pro His Gly Pro Phe Val  
115 120 125

Gly Glu Gln His Val Ser Ala Arg Ala Val Phe Lys Val Arg Arg Arg  
130 135 140

Glu Arg Asp Arg Asp Arg Asp His Pro Ala Cys Pro Arg Arg Ser Glu  
145 150 155 160

Ala Gly Gly Asn Glu Pro Ala Asp Val Trp Trp Arg Leu Asn Gly Ala  
165 170 175

Gly Gly Gly Arg Ile Gly Ala Phe Val  
180 185

<210> 17  
<211> 102  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 17

Met His Arg Ser Ala Ala Gln His Glu Arg Leu Val Val Val Arg Arg  
1 5 10 15

Gln Val Gly Val Gln Val Gln Val Ser Ser Val Tyr His Gly Gly Val  
20 25 30

Ala Gln Val Val Arg Leu Asp Asp Ala Trp Val Gln Ala Gly Lys Ile  
35 40 45

Asp His Gln Asp Arg Leu Val Val Lys Pro Arg Asp Gly Val Asn His  
50 55 60

Arg Arg Ala Leu Ile Thr Pro Leu Ser Leu Gly Arg Trp Asp Arg Glu  
65 70 75 80

Asp Lys Val Ile Pro Gly Arg Gly Leu Gln Gln Ala Gly Glu His Ala  
85 90 95

Lys Leu Leu Ala Val Arg  
100

<210> 18  
<211> 101  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 18

Met Pro Leu His Pro Gly Pro Gly Ala Pro Gln Ser Gly Gly Gln Gly  
1 5 10 15

Gly Gly Ala Ala Val Val Gln Ala Thr Ala Ala Arg Gly Ile Arg Gly  
20 25 30

Gly Val Ala Gly Gly Leu Tyr Lys Asn Cys Gly Gly Pro Gln Arg Glu  
35 40 45

Leu Cys Gly Pro Ser Lys Gln Arg Arg Ala His Arg Ala Val Asn Val  
50 55 60

Leu Asp Arg Ala Gln Pro Pro Arg Leu Arg Leu Gln Asp His Gln Pro  
65 70 75 80

Ala Pro Pro Gly Gly Val Pro Glu Ala Gly Glu Gln Val Arg Gly Ala  
85 90 95

Ala Pro Gly Ala Arg  
100

<210> 19  
<211> 416  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 19

Met Leu Val Asn Glu Leu Ser Met Val Leu Gly Asp Trp Glu Val Thr  
1 5 10 15

Phe His Arg Gly Lys Phe Ser Phe Val Asn Leu Ala Arg Leu Gln Thr  
20 25 30

Phe Lys Gly His Gly Gly Tyr Ala Lys Ile Arg Leu Pro Phe Ser Leu  
35 40 45

Asp Gln Leu Leu His Gln His Phe Ala Phe Gly Leu Val Thr Arg Leu  
50 55 60

Asn Glu Leu Pro Pro Phe Ser Asp Cys Val Ala Leu Ile Ala Pro Arg  
65 70 75 80

Asp Ser Gly Gly Asp Ala Asp Ala Ala Arg Val Ala Pro Gly Phe Val  
85 90 95

Leu Asp Ser Ser Arg Pro Leu Thr Val Trp Val Asn Ala Asn Gly Arg  
100 105 110

His Thr Val Arg Phe Cys Leu Leu Phe Leu Lys Pro Ile Asp Leu Glu  
115 120 125

Arg Ala Val Thr Tyr Val Phe Gly Glu Asn Gly Gly Ala Arg Ser Glu  
130 135 140

Gly Ala Pro Lys Pro Thr Cys Asn Thr Glu Ser Leu Pro Gly Gly Pro  
145 150 155 160

Leu Arg Val Ser Gly Glu Ala Ser Gln Thr Ser Pro His Ser Phe Val  
165 170 175

Ala Tyr Phe Pro Thr Ala Asp Pro Val Ala Cys Leu Ser Leu Leu Arg  
180 185 190

Leu Gln Val Arg Pro Phe Ser Asp Asp Ala Ala His Arg Asp Ala Arg  
195 200 205

Ile Ser Pro Lys Tyr Val Thr Phe Ser Asn Ala Gly Gly Asn Val Cys  
210 215 220

Lys Ala Ser Val His Thr Leu Ser Pro Ser Arg Cys Lys Thr Ala Gln

225                    230                    235                    240

Met Glu Ile Ile Tyr Ala Pro Gly Asp Pro Asn Ala Glu Ile Val Leu  
245                    250                    255

Gly Gln Ser Gly Pro Val Leu Pro Thr His Thr Gly Gly Arg Val Leu  
260                    265                    270

Gly Val Tyr Ala Asp Ala Glu Lys Thr Ile Gln Pro Gly Ser Ser Ala  
275                    280                    285

Glu Val Arg Val Gln Leu Ile Phe Gln Gln Gly Ala Ala Ala Arg Gly  
290                    295                    300

Asp Leu Ala Phe Leu Val Ala Gly Val Ala Pro Glu Pro Leu Phe Ile  
305                    310                    320

Val Thr Pro Thr Leu Leu Leu Ser Gly Cys Thr Thr His Leu Arg Leu  
325                    330                    335

Phe Asn Pro Asn Gly Thr Pro Thr Thr Ile Lys Arg Asp Thr Leu Val  
340                    345                    350

Ala Ala Ala Ala Pro Cys Pro Val Val Arg Val Ser Ser Ala Asp Asp  
355                    360                    365

Ala Pro Arg Asp Leu Val Ala Ser Pro Asp Thr Gly Ala Leu Ser Ile  
370                    375                    380

Asp Ala Phe Thr Ile Pro Val Gly Leu Pro Gly Val Val Ser Ala Glu  
385                    390                    395                    400

Cys His Val Ser Met Arg Asp Asn Gly Val His Glu Arg Met Ser His  
405                    410                    415

<210> 20

<211> 91

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 20

Met Glu Ser Ala Pro Val Ser Gly Asp Ala Thr Arg Ser Arg Gly Ala  
1                    5                    10                    15

Ser Ser Ala Glu Leu Thr Arg Thr Thr Gly Gln Gly Ala Ala Ala Ala  
20                    25                    30

Thr Arg Val Ser Leu Phe Ile Val Val Gly Val Pro Leu Gly Leu Asn  
35 40 45

Arg Arg Arg Cys Val Val Gln Pro Glu Ser Lys Ser Val Gly Val Thr  
50 55 60

Met Asn Arg Gly Ser Gly Ala Thr Pro Ala Thr Arg Asn Ala Arg Ser  
65 70 75 80

Pro Arg Ala Ala Ala Pro Cys Trp Lys Ile Asn  
85 90

<210> 21  
<211> 409  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 21

Met Gly Thr Pro Val Arg Phe Phe Arg Gly Glu Trp Gln Thr Ser Ser  
1 5 10 15

Leu Val Asp Asn Gly Thr Pro Arg Tyr Ser Ser Leu Val Trp Ala Ala  
20 25 30

Thr Ile His Asp Gly Tyr Leu Thr Leu Val Asn Arg Ser Glu Leu Cys  
35 40 45

Val Thr Glu Arg Ser Pro Cys Leu Pro Ala Cys Pro Ser Ile Gly Arg  
50 55 60

Leu Val Gly Lys Arg Phe Pro Gly Phe Ala Phe Ala Ser Ala Thr Leu  
65 70 75 80

Gly Asp Arg Gly Thr Arg Thr Val Phe Tyr Ala Phe Gly His Arg Asp  
85 90 95

Asn Pro Leu Asp Ile Val Pro Ala Val Val Glu Arg Ala Asp Arg Glu  
100 105 110

Leu Val Leu Arg Val His Ala Pro Arg Thr Thr Arg Val Ser Arg Tyr  
115 120 125

Gly Leu Lys Ile Phe Val Ala Ile Val Thr Val Val Arg Pro Pro Gly  
130 135 140

Val Phe Leu His Phe Pro Gln Asp Arg Val Pro Ile Ala Leu Thr Asp  
145 150 155 160

Ala Cys Ser Gln Glu Gly Ser Arg Leu Thr Ser Glu Glu Pro Trp Ile  
165 170 175

Lys Ile Gln Gly Phe Pro Val Leu Ser Asp Glu Thr Ala His Pro Phe  
180 185 190

Leu Leu Thr Gln Lys Thr Lys Pro Phe Thr Glu Arg Lys Phe Cys Arg  
195 200 205

Leu Ile Met Asp Asp Asn Gln Leu Ser Ala Val Asn Thr Val Tyr Leu  
210 215 220

Gly Lys Gln His Val Arg Val Thr Val Thr Arg Pro Pro Glu Thr Ile  
225 230 235 240

Val Thr Asp Gly Pro Val Thr Ala Thr Leu Ser Leu Thr Gly Asn Ala  
245 250 255

Pro Ile Ala Phe Arg His Asn Pro Tyr Phe Glu Leu Pro Trp Ser Ser  
260 265 270

Thr Thr Ala Ile Phe Thr Pro Val Val Tyr Val Gly Leu Thr Val Cys  
275 280 285

Ile Pro Pro Asn Cys Ser Lys Phe Val Arg Tyr Gly Asn Thr Tyr Val  
290 295 300

Ser Ala Phe Asn Arg Lys Leu Thr Ala Ile Ile Ser Asn His Ala His  
305 310 315 320

Asp Gly Gly Phe Arg Ile Gln Asp Cys Glu Trp Pro Pro Asn Arg Glu  
325 330 335

Ile Glu Ile Leu Val Thr Asn Val Thr Gln Ala Pro Val Tyr Val Ser  
340 345 350

Thr Gly Thr Gln Leu Gly Arg Ala Ile Phe Val Phe Ala Pro Arg Phe  
355 360 365

Gly Gly Pro Ala Lys Leu Arg Gln Leu Leu Gly His Arg Ser Arg Ala  
370 375 380

Leu Glu Leu Pro Gly Gly Val Thr Val Asp Ser Gln Lys Leu Cys Arg  
385 390 395 400

Phe Glu Thr Met Tyr Leu Phe Ser Thr  
405

<210> 22  
<211> 207  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 22

Met Phe Pro Val Trp Phe Val Leu Phe Tyr Leu Ser Cys Trp Ala Ala  
1 5 10 15

Ser Pro Thr Leu Ala Pro Pro Pro Thr Ala Ala Gly Ile Asn Val Leu  
20 25 30

Pro Gln Trp Ala Gly Asn Arg Ala Ser Leu Asp Arg Thr Arg Gly Arg  
35 40 45

Leu Ser Glu Leu Gly Leu Asn Ile Gln Arg Trp Phe Val Tyr Leu Cys  
50 55 60

Tyr His Ser Thr Leu Cys Arg Val Arg Glu Tyr Pro Arg Ile Met Ser  
65 70 75 80

Phe Ile Asn Phe Pro Ile Leu Met Ser Asn Val Glu Cys Gln Arg Arg  
85 90 95

Glu Phe Arg Gly Ala Glu Cys Met Asn Ala Met Val Arg Gly Leu Arg  
100 105 110

Ala Tyr Glu Ser Tyr Leu Thr Arg Ser Lys Met Leu Leu Asp Asp Ala  
115 120 125

Pro Gly Asn Ala Gly Ala Ala Ile Gly Ser Ala Val Thr Val Val  
130 135 140

Leu Ser Ala Leu Asn Ser Leu Ile Glu Glu Leu Pro Val Asp Asn Lys  
145 150 155 160

Ile Gly Gly Val Glu Ser Asn Asp Lys Ile Val Arg Ala Leu Ala Glu  
165 170 175

Gln Ser Pro Gly Asp Val Ile Leu Ser Ala Phe Arg Leu Leu Glu Tyr  
180 185 190

Leu Gln Met Phe Leu Arg Asp Gly Arg Arg Ala Ile Ala Met Met  
195 200 205

<210> 23  
<211> 333  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 23

Met Ile Val Leu Val His Leu Gly Ile Cys Tyr Val Lys Lys Ile Ile  
1 5 10 15

Pro Ala Cys Leu Ser Gly Ile Ala Ala Val Arg Cys Arg Val Ser Arg  
20 25 30

Gly Ser Glu Val Ala Ala Arg Ala Pro Asp Gly Arg Gly Glu His  
35 40 45

Gly Glu Leu Gln Tyr Leu Ala His Leu Asp Leu Ile Ile Arg His Gly  
50 55 60

Val Gln Arg Asp Asp Arg Thr Gly Val Gly Thr Arg Ser Val Phe Gly  
65 70 75 80

Leu Gln Ala Arg Tyr Asn Leu Arg Asp Glu Phe Pro Leu Leu Thr Thr  
85 90 95

Lys Arg Val Phe Trp Arg Gly Val Val Glu Glu Leu Leu Trp Phe Ile  
100 105 110

Arg Gly Ser Thr Asp Ser Thr Glu Leu Ser Arg Arg Gly Val Lys Ile  
115 120 125

Trp Asp Ala His Gly Ser Arg Ala Phe Leu Ala Ala Gln Gly Phe Gly  
130 135 140

Asp Arg Arg Glu Gly Asp Leu Gly Pro Val Tyr Gly Phe Gln Trp Arg  
145 150 155 160

His Phe Gly Ala Glu Tyr Arg Gly Ala Asp Ala Asp Tyr Glu Gly Gln  
165 170 175

Gly Val Asp Gln Leu Arg Tyr Val Val Asp Leu Ile Val Arg Arg Pro  
106

180

185

190

His Asp Arg Arg Ile Val Met Cys Ala Trp Asn Pro Ala Asp Leu Ala  
195 200 205

Arg Met Ala Leu Pro Pro Cys His Val Leu Cys Gln Phe Tyr Val Ala  
210 215 220

Arg Gly Glu Leu Ser Cys Gln Leu Tyr Gln Arg Ser Ala Asp Met Gly  
225 230 235 240

Leu Gly Val Pro Phe Asn Ile Ala Ser Tyr Ala Leu Leu Thr Tyr Leu  
245 250 255

Ile Ala His Val Thr Gly Leu Thr Pro Gly Asp Phe Val His Thr Leu  
260 265 270

Gly Asp Ala His Val Tyr Asn Asn His Val Gly Pro Leu Leu Leu Gln  
275 280 285

Leu Gly Arg Thr Pro Arg Pro Phe Pro Arg Leu Lys Ile Leu Arg Lys  
290 295 300

Val Thr Arg Leu Glu Asp Phe Thr Arg Ala Asp Leu Ser Leu Glu Gly  
305 310 315 320

Tyr Asp Pro His Pro His Ile Glu Met Glu Met Ala Val  
325 330

<210> 24

<211> 88

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 24

Met Cys Leu His Gly Gly Ala Ser Thr Met Thr Leu Lys Ile Asn Val  
1 5 10 15

Phe Cys Gly Ser Cys Thr Met Arg Val Trp Leu Met Asn Ala Gly Gly  
20 25 30

Asp Ser Gly Gly Asp Ala Gly Gly Asp Ser Gly Gly Asp Ala Gly Gly  
35 40 45

Asp Ser Gly Gly Asp Ala Gly Gly Asp Ser Gly Gly Asp Ala Gly Gly  
50 55 60

Asp Ser Gly Gly Asp Ala Gly Gly Asp Ser Gly Gly Asp Ala Gly Glu  
65 70 75 80

Gly Pro Arg Gly Phe Thr Thr Arg  
85

<210> 25  
<211> 120  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 25

Met Arg Val Leu Val Ile Gly Ala Phe Phe Ala Val Phe Ala Cys Val  
1 5 10 15

Val Asp Tyr Ala Phe Pro Met Gly Ser Met Ser Gly Pro Ala Pro Glu  
20 25 30

Val Cys Cys Leu Gly Tyr Ile Asn Lys Leu Pro Pro Ser Gly Ala Val  
35 40 45

Ala Leu Tyr Tyr Tyr Thr Ser Ser Gln Cys Thr Leu Asp Ala Val Ile  
50 55 60

Leu Glu Thr His Arg Gly Gln Lys Leu Cys Ala Asn Pro Gly Asp Asp  
65 70 75 80

Gly Val Arg Lys Leu Leu Gln Lys Val Asp Asn Arg Pro Lys Arg Asn  
85 90 95

Lys Gly Arg Arg Thr Arg Arg Ser Leu Leu Asp Asp Ala Ser Asp Glu  
100 105 110

Gly Leu Glu Ser Gly Ser Gly Phe  
115 120

<210> 26  
<211> 91  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 26

Met Arg Arg Val Cys Leu Gly Gly Asp Phe Pro Phe Ile Ala Gly  
1 5 10 15

Thr Gly Pro Leu Leu Val Leu Glu Ile Pro Phe Ser Thr Gly Ser Leu  
20 25 30

Leu Arg Arg Lys Ala Val Tyr Leu Phe Gly Glu Ser Pro Phe Phe Arg  
35 40 45

Thr Pro Gly Ala Thr Val Val Arg His Ala Arg Phe Gly Thr Arg Asp  
50 55 60

Ala Thr Ser Gly Arg Glu Ala Arg Ala Pro Gly Gly Trp Pro Arg Leu  
65 70 75 80

Val Ser Val Glu Ala Asp Pro Gly Arg Gly Tyr  
85 90

<210> 27  
<211> 112  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 27

Met Leu Phe Leu Val Ala Ile Gly Asp Ile Phe Arg Cys Pro Pro Asn  
1 5 10 15

Asp Pro Val Arg Arg Gly Phe Phe Gly Ser Phe Gly Gly His Arg Lys  
20 25 30

Met Phe Pro Arg Ala Arg Arg Ala Thr Val Glu Thr Ile Phe Ser Asp  
35 40 45

Pro Leu Val Thr Pro Glu Pro Ala Pro Pro Arg Gly Ala Pro Cys Leu  
50 55 60

Gly Ala Glu Gln Ser Val Leu Val Arg Thr Pro Asn Ala Gly Leu Ala  
65 70 75 80

Val Pro Thr Pro Ala Arg Lys Thr Arg Gly Thr Pro Ala Gly Phe Tyr  
85 90 95

Ala Ile Thr Leu Cys Tyr Phe Gly Val Gly Ala Pro Arg Cys Pro Cys  
100 105 110

<210> 28  
<211> 102  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 28

Met Ser Gly Val Ser Val Thr Arg Gly Ala Ala Ala Gly Gly Gly  
1 5 10 15

Val Gly Lys Asn Ser Gly Arg Arg Ala Arg Val Ser Val Met Thr Arg  
20 25 30

Leu Asp Gly Gly His Leu Ala Ala Gly Gln Arg Arg Glu His Arg Glu  
35 40 45

Arg Pro Ala Gly Gly Ala Ala Arg Asp Arg Ala Pro Arg Ser Val Lys  
50 55 60

Met Ala Asp Arg Arg Arg Arg Leu Gly Ala Ala Asp Val Asn His Gly  
65 70 75 80

Gly Glu Glu Arg Arg Trp Ser Gly Tyr Thr Ser Ile Thr Glu Gly Arg  
85 90 95

Ala Gly Trp Gln Ile Ile  
100

<210> 29  
<211> 187  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 29

Met Ala Ala Ile Gln Gly Pro Pro Pro Leu Pro Glu Glu Glu Asn Glu  
1 5 10 15

Asn Ser Leu Pro Asp Asp Val Tyr Ala Ile Glu Gly Ile Phe Leu Tyr  
20 25 30

Cys Gly Leu Gly Gln Ala Glu Tyr Leu His His Pro Val Phe Ser Pro  
35 40 45

Ile Lys Glu Phe Ile Ser Ser Phe Leu Lys Asp Ser Ala Arg Leu Tyr  
50 55 60

Glu Arg Leu Leu Arg His Thr Asp Tyr Arg Ser Leu Arg Gly Leu Asn  
65 70 75 80

Ala Ile Gly Gln Gly Met Leu His Ile Asn Thr Asp Gly Arg His Asn  
85 90 95

Trp Gly Arg Ala Leu Ala Val Leu Gly Leu Gly Ala Tyr Val Val Asp  
100 105 110

Lys Ile Arg Asp Asp Glu Arg Leu Leu Thr Phe Ala Ile Ala Val Leu  
115 120 125

Pro Val Tyr Ala Tyr Glu Ala Leu Glu Ser Gln Trp Phe Arg Ser His  
130 135 140

Gly Gly Trp Glu Gly Leu Arg Asn Tyr Cys Glu Arg Ile Leu Arg His  
145 150 155 160

Arg Arg Asn Ala Arg Arg His Met Cys Tyr Gly Val Ala Ala Gly Leu  
165 170 175

Leu Ala Leu Val Ala Leu Phe Ala Ile Arg Arg  
180 185

<210> 30  
<211> 536  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 30

Met Thr Ser Val Tyr Val Gly Gly Tyr Val Asp Val Val Ser Leu Pro  
1 5 10 15

Lys Ile Glu Lys Asp Leu Tyr Leu Glu Pro Ser Ile Val Ala Thr Leu  
20 25 30

Leu Pro Tyr Thr Asn Pro Leu Pro Ile Asn Ile Glu His Val Pro Glu  
35 40 45

Ala His Val Gly His Thr Leu Gly Leu Phe Gln Val Thr His Gly Ile  
50 55 60

Phe Cys Leu Gly Lys Leu Thr Ser Pro Asp Phe Leu Ala Leu Ala Ser  
65 70 75 80

Arg Leu Ala Gly Asp Ser Arg Ala Ala Gln Ile Gln Leu Asn Pro Met  
85 90 95

Pro Arg Asp Pro Leu Leu Glu Met Leu His Thr Trp Leu Pro Glu Leu  
100 105 110

Ser Leu Ser Ser Leu His Pro Glu Glu Leu Gln Asp Pro Asn His Pro  
115 120 125

Pro Ala Phe Gln His Val Ser Leu Cys Ala Leu Gly Arg Arg Arg Gly  
130 135 140

Ser Ile Ala Val Tyr Gly Pro Asp Pro Thr Trp Val Val Ser Lys Phe  
145 150 155 160

Asp Ser Leu Thr Arg Asp Glu Ala Gly Lys Ile Thr Ser Lys Cys Leu  
165 170 175

Asp Leu Cys Glu Arg Gln Val Thr Pro Pro Glu Phe Ala Ala Pro Leu  
180 185 190

Glu Thr Leu Met Ala Lys Ala Ile Asp Ala Gly Phe Ile Arg Asp Arg  
195 200 205

Thr Asp Leu Leu Lys Thr Asp Lys Gly Val Ala Arg Val Ala Arg Ser  
210 215 220

Thr Tyr Leu Lys Ala Ser Gln Ser Pro Ser Ser Gln His Gly Gly Asn  
225 230 235 240

Arg Asp Thr Gln Thr Met Ser Ala Leu Pro Asp Asp Asn Ile Thr Ile  
245 250 255

Pro Lys Ser Thr Phe Leu Thr Met Val Gln Ser Ser Leu Asp His Met  
260 265 270

Arg Asn Gln Gly Gln Arg Ala Tyr Val Ser Ala Pro Pro Ser Met Pro  
275 280 285

Ala Thr Ala Ala Tyr Pro Ser Trp Ile Pro Pro Pro Glu Leu Thr Val  
290 295 300

Pro Ser Tyr Ala Pro Pro Val Ala Pro Pro Phe Pro Phe Gln Ser Ala  
305 310 315 320

Phe Ala Pro Gln Pro Ser Pro Tyr Ala Ala Thr Tyr Tyr Ser Pro Thr  
325 330 335

Tyr Gly Tyr Ala Gln Ala Pro Ser Arg His Gln Lys Arg Lys Arg Asp  
340 345 350

Val Glu Leu Ser Asp Glu Pro Val Phe Pro Gly Glu Glu Val Gly Ile  
355 360 365

His Lys Asp Val Met Ala Leu Ser Lys Asn Ile Leu Asp Ile Gln Ala  
370 375 380

Asp Leu Arg Asp Leu Lys Arg Ala Ala Ser Gln Thr Ser Gly Glu Lys  
385 390 395 400

Asp Thr Asp Gln Arg Pro Gln Pro Pro Pro Val Gln Phe Ser Trp Pro  
405 410 415

Gln Thr Tyr Ala Ser Ala Pro Tyr Leu Ala Tyr Gln Pro Gln Trp Tyr  
420 425 430

Pro Gly Thr Asp Thr His Leu His Ala Ser Gln Pro Tyr Gln Ile Ala  
435 440 445

Gln Gly Ile Gln Gln Thr Gln Pro Pro Pro Gln Pro Ala Ser His  
450 455 460

His Ala Gly Leu Ala Thr Gln Pro Val Ala Pro Ala Pro Ala Ala Gln  
465 470 475 480

Glu Ser Ala Met Ser Asn Ala Val Pro Ser Ala Ser Ala Pro Arg Ala  
485 490 495

Gly Ala Cys Pro Pro Leu Asp Ser Asp Cys Gly Gln Ser Ala Arg Ala  
500 505 510

Pro Val Glu Ala Ser Val Gln Pro Ala Pro Val Ser Gln Ile Gln Lys  
515 520 525

Met Phe Cys Glu Glu Leu Leu Lys  
530 535

<210> 31  
<211> 299  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 31

Met Phe Ile Gly Arg Gly Phe Val Tyr Gly Ser Arg Val Ala Thr Ile  
1 5 10 15

Glu Gly Ser Lys Tyr Arg Ser Phe Ser Ile Phe Gly Arg Leu Thr Thr

20

25

30

Ser Thr Tyr Pro Pro Thr Tyr Thr Glu Val Met Leu Gly Arg Cys Leu  
 35                          40                          45

Arg Glu Pro Lys Glu Met Ser Ala Gly Leu Arg Gly Leu Met Trp Arg  
 50                          55                          60

Val Ile Arg Cys Glu Asn Leu Asn Thr Phe Leu Pro Gly Glu Leu Arg  
 65                          70                          75                          80

Phe Leu His Leu Val Leu Cys Glu Met Tyr Asn Tyr Gly Leu Asn Val  
 85                          90                          95

Tyr Leu Leu Lys Glu Ala Ile Ala Asn Thr Gly Thr Arg Asp Asp Ile  
 100                        105                        110

Val Leu Gly Arg Lys Val Pro Val Glu Phe Trp Lys Ile Ile Tyr Asp  
 115                        120                        125

Gly Leu Arg Glu Met Gly Val Ser Asp Ala Thr Leu Leu Ser Glu Thr  
 130                        135                        140

Lys Arg Gly Ala Leu Trp Leu Tyr Phe Asn Gly Arg Pro Cys Leu Leu  
 145                        150                        155                        160

Lys Gly Leu Gly Asp Tyr Val Phe Cys Arg Leu Gly Leu Ser His Ser  
 165                        170                        175

Val Arg Val Val Pro Glu Asn Leu Thr Asp Gly Asn Tyr Leu Tyr Asn  
 180                        185                        190

Leu Gly Ser Val Ile Pro Cys Arg Leu Leu Val Ala Leu Ser Tyr Cys  
 195                        200                        205

Leu Ala Phe Trp Gly His Ala Asp His Glu Pro Trp Val Arg Leu Phe  
 210                        215                        220

Ala Gly Lys Ile Phe Ile Leu Tyr Leu Ile Ile Ser Gly His Ile Met  
 225                        230                        235                        240

Pro Arg Lys Ser Ile Leu Glu Gln Val Gly Thr Ser Gly Tyr Gly Gly  
 245                        250                        255

Phe Val Glu Ala Val Cys Arg Asp Val Arg Ala Val His Gly Ile Pro

260

265

270

Ala Trp Asp Phe Ala Ala Ala Pro Ala Leu Thr Ser Arg Gln Thr  
275 280 285

Asp Tyr Leu Phe Ala Phe Asn Asn Ser Val Val  
290 295

<210> 32  
<211> 97  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 32

Met Ser Pro Ala Ser Gly Ala Glu Leu Leu Gly Val Leu Gly Ala  
1 5 10 15

Arg Arg Pro Arg Ala Leu Gly Gln Val Val Arg Arg Gln Asp Phe Tyr  
20 25 30

Thr Val Leu Asn Asn Ile Arg Pro His Tyr Ala Thr Lys Val Asn Leu  
35 40 45

Arg Thr Gly Gly Asn Val Arg Val Arg Trp Leu Cys Arg Gly Cys Val  
50 55 60

Ser Arg Arg Ser Arg Gly Pro Arg His Ser Gly Val Gly Phe Cys Gly  
65 70 75 80

Ser Gly Ser Gly Val Asn Val Ser Thr Asp Gly Leu Pro Val Cys Val  
85 90 95

Gln

<210> 33  
<211> 547  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 33

Met Arg Thr Ser Glu Lys Cys Cys Met Arg Tyr Pro Arg Lys Pro Ala  
1 5 10 15

Arg Gln Ile Thr Ala Thr Phe Trp Ala Pro His Pro Asn Asn Val Leu  
20 25 30

Phe Ile His Lys Pro Ser Leu Ile Glu Glu Arg Arg Asn Ala Phe Val  
35 40 45

Met Arg Asn Gln Gln Leu Ala Leu Arg Val His Thr Leu Arg Lys Asn  
50 55 60

Leu Leu Arg Leu Glu Leu Asp Asn Val Leu Gln Thr His Gln Arg Glu  
65 70 75 80

Thr Glu Met Val Met Arg Asp Leu Asp Thr Ile Gln Asn Met Val Gly  
85 90 95

Asp Leu Arg Ser Pro Thr Arg Glu Thr Ala Asp Thr Gln Thr Ser Ile  
100 105 110

Asn Pro Arg Pro Lys Ile Ala Pro Gln Thr His Gly Asp Ala Phe Val  
115 120 125

Val Thr Ile Ala Pro Gly Asp Pro Gly Phe Thr Val Asn Gln Asp Leu  
130 135 140

Arg Leu Glu Leu Leu Pro Ser Leu Tyr Met Asn Gln Asn Gln Trp Leu  
145 150 155 160

Pro Gln Tyr Gly Pro Trp Tyr Ser Ser Leu Thr Asp Asn Ala Met Gln  
165 170 175

Arg Arg Val Phe Pro Arg Asp Leu Arg Gly Thr Thr Asn Phe Gln Asn  
180 185 190

Ser Thr Ser Leu Lys Leu Met Ser Ala Val Ile Ser Thr Ala Ala Ser  
195 200 205

Ile Thr Gln Asp Phe Tyr Ala Asp Val Arg Asn Val Ser Asp Thr Gln  
210 215 220

Ala Ala Leu Cys Leu Leu Asn Gly Tyr Tyr Cys His Arg Thr Gly Thr  
225 230 235 240

Pro Leu Pro Pro Thr Arg Asp Gly Leu Trp Asp Asn Leu Gly Thr Lys  
245 250 255

Leu Ala Thr Leu Ile Ser His Leu Lys Gln Asn Thr Lys Gly Leu Gly  
260 265 270

Phe Glu Phe Thr Tyr Ser Asn Pro Lys Gln Arg Ala Ser Leu Ala Pro  
275 280 285

Leu Asn Lys Glu Thr Lys Tyr Ser Ala Asp Phe Phe Thr Asn His Val  
290 295 300

Ile Tyr Ala Thr Leu Ala Gln Ser Gly Leu Leu Pro Gly Ser Lys Asn  
305 310 315 320

Pro Gly Thr Gly Gln Pro Pro Gly Pro Asp Leu Val Tyr Ile Leu Ala  
325 330 335

Thr Thr Leu Phe Ser Glu Asp Val Pro Pro Phe Gln Ala Tyr Gln Trp  
340 345 350

Asn Leu Arg Ala Gly Leu Ser Ala Leu Gly Cys Leu Val Leu Val Tyr  
355 360 365

Val Leu Leu Glu Leu Ala Gln Ile Thr Pro Arg Ser Pro His Arg Arg  
370 375 380

Leu Asn Leu Ala Ser Leu Leu Gly Gly Arg Phe Ser Lys Val Glu Asp  
385 390 395 400

Pro Ser Gly Ser Lys Gln Tyr Leu Lys Gly Gln Leu Phe Asp Phe  
405 410 415

Leu Thr Glu Asn Tyr Ile Ser Pro Leu Leu Ser Arg Ala Pro Asp Ala  
420 425 430

Pro Thr Ser Phe Leu Phe Pro Gly Ala Tyr Leu Thr Ala Leu Glu Ala  
435 440 445

Lys Ala Ile Ser His Leu Lys His Thr Arg Pro Phe Val Asn Leu Thr  
450 455 460

Gly Ser Arg Phe Asn Glu Ile Phe Asp Ile Leu Asn Gln Lys Leu Thr  
465 470 475 480

Phe Arg Asp Ala Gly Ser Leu Ile Gln Ala Gln Thr Ser Leu Arg Leu  
485 490 495

Thr Ala Glu Glu Gly Leu Ala Ala Ile Leu Ser His Pro Ser Pro Pro  
500 505 510

Gly Leu Thr His Glu Ile Met Lys Ser Gln Phe Gly Val Tyr Asp Asp  
515 520 525

Tyr Asp Lys Val Tyr Phe Leu Val Leu Gly Tyr Leu Pro Val Ala Thr  
530 535 540

Ser Val Val  
545

<210> 34  
<211> 350  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 34

Met Thr Val Ala Asn Gln Cys Lys His Ala Ala Thr Leu Glu Ala Leu  
1 5 10 15

Pro Ala Ser Arg Lys Arg Ala Gly Ile Arg Ala His Leu Ala Val Tyr  
20 25 30

Arg Arg Leu Ile Lys His Arg Ser Leu Asp Asp Ile Leu Lys Phe Leu  
35 40 45

Ser Ile Arg Pro Thr Arg Glu Ala Thr Lys Asp Val Lys Phe Arg Ile  
50 55 60

Phe Phe Glu Val Thr Leu Gly Arg Arg Ile Ala Asp Cys Val Leu Thr  
65 70 75 80

Val Asp Ser Glu His Gln Lys Thr Cys Tyr Val Ile Glu Leu Lys Thr  
85 90 95

Cys Leu Ser Ala Ala Val Phe Pro Gly Asn Ala Ile Lys Ile Ser Gln  
100 105 110

Arg Trp Gln Gly Leu His Gln Leu Thr Asp Ser Val Ala Tyr Ile Gly  
115 120 125

Arg Ala Ala Pro Arg Gly His Glu Asn Trp Ser Val Arg Pro Trp Leu  
130 135 140

Leu Phe Lys Asn Gln Lys Thr Leu Lys Thr Ile His Thr Glu Ser Ser  
145 150 155 160

Ala Phe Pro Pro Thr Phe Ile Asn Thr Thr Ser Val Ala Leu Asn Gly  
165 170 175

Phe Phe Ser Gln Trp Glu Asp Ala His Val Arg Lys Met Leu Tyr Glu  
180 185 190

Ile Ser Thr Lys Thr Ser Ala Ala Asn Tyr Arg Asn Phe Leu Gly Pro  
195 200 205

Thr Ser Lys Gln Arg Ser Val His Ser Gln Thr Ile Ala Asp Arg Arg  
210 215 220

Lys Lys Lys Arg Val Cys Asp Ala Lys Ser Thr Ala Gly Ala Lys Gly  
225 230 235 240

Ser His Ala Ala Lys Lys Pro Ala Pro Ser Arg Ala Arg Gln Arg Ala  
245 250 255

Ala Asp Ala Pro Thr Gly Asn Arg Asn Gly His Ala Arg Pro Arg His  
260 265 270

Asn Ser Lys His Gly Arg Gly Ser Ala Val Pro Asp Gln Gly Asn Arg  
275 280 285

Arg Tyr Pro Asn Val Asn Lys Pro Thr Thr Gln Asn Arg Pro Ser Asp  
290 295 300

Thr Trp Arg Arg Val Cys Cys His Asp Ser Pro Arg Arg Pro Gly Leu  
305 310 315 320

His Gly Lys Pro Gly Ser Pro Ser Gly Ala Pro Ala Gln Pro Val His  
325 330 335

Glu Pro Lys Pro Met Ala Ala Thr Ile Arg Ser Val Val Gln  
340 345 350

<210> 35  
<211> 556  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 35

Met Ala Glu Gly Gly Ser Gly Phe Gly Asp Glu Leu Val Arg Gln Met  
1 5 10 15

Arg Asp Arg Lys Pro Arg Trp Asp Glu Ser Ser Asp Asp Thr Asp Asp

20

25

30

Val Asp Thr Glu Ser Thr Asp Leu Glu Tyr Asp Asp Val Phe Pro Val  
35 40 45

Val Asp Thr His Gly Leu Thr Ser Pro Gly Ser Gln Asn Tyr Asp Val  
50 55 60

Pro Thr Ser Pro Ser Gly Thr Pro Trp Glu Leu Leu His Pro Asp Ala  
65 70 75 80

Leu Tyr Ala Gln Pro Arg Cys Pro Pro Lys Arg Ala Ala Val Pro Gly  
85 90 95

Gly Gly Ala Arg Pro Lys Val Ser Ala Phe Ser Ala Arg Leu Gln Tyr  
100 105 110

Val Gly Arg Gln Ser Phe Gly Asp Arg Glu Thr Arg Gln Leu Thr Gly  
115 120 125

Ala Gln Phe Ser Ser Glu Ser Glu His Glu Tyr Ala Glu Ile Pro Glu  
130 135 140

Arg Thr Thr Arg Pro Val Glu Ser Gly Asp Lys Arg His Phe Thr Ser  
145 150 155 160

Gly Arg Arg Gly Gly Ile Ser Gly Pro Ser Ser Ser Lys Pro Ser Asn  
165 170 175

Gly Ala Gly Leu Thr Arg Lys Thr Lys Thr Ser Leu Ser Val Ser Leu  
180 185 190

Lys Asn Leu Leu Arg Ile Lys Asp Asp Asp Val Lys Val Asp Val Pro  
195 200 205

Arg Pro Val Thr Val Pro Val His Leu Met Gln Pro His Pro Met Thr  
210 215 220

Glu Tyr Arg Asn Ala Phe Leu Ile Tyr Leu Glu Gly Val Met Gly Val  
225 230 235 240

Gly Lys Thr Thr Leu Leu Asn Ser Met Thr Gly Met Val Pro Gln Glu  
245 250 255

Asn Val Leu Ser Cys Pro Glu Pro Met Lys Phe Trp Thr Cys Val Tyr  
120

260

265

270

Ser Asn Cys Leu Lys Glu Gln Arg Ser Ile Val Lys Gln Gly Thr His  
275 280 285

Gly Lys Ser Ile Thr Ser Ala Arg Val Tyr Ala Cys Gln Ser Lys Phe  
290 295 300

Ala Leu Pro Phe Arg Ala Thr Ala Ala Gly Ile Gly Arg Asn Leu Gln  
305 310 315 320

Pro Trp Leu Val Gly Asn Gly Ser Thr Lys Pro Ala Asn Trp Ile Val  
325 330 335

Phe Asp Arg His Leu Leu Ser Ala Thr Val Val Phe Pro Leu Val His  
340 345 350

Val Lys Tyr Asn Arg Leu Thr Pro Asp His Leu Phe Gln Ile Leu Ser  
355 360 365

Leu Phe Ser Ala His Asp Gly Asp Val Val Val Leu Leu Thr Leu Asn  
370 375 380

Ser Ser Glu Ala His Arg Arg Ile Gln Ser Arg Gly Arg Lys Glu Glu  
385 390 395 400

Lys Gly Ile Thr Gln Asn Tyr Leu Arg Gln Val Ala Trp Ala Tyr His  
405 410 415

Ala Val Phe Cys Thr Trp Val Met Met Gln Tyr Leu Thr Pro Glu Gln  
420 425 430

Met Val Gln Leu Cys Val Gln Thr Val Ser Ile Glu Asp Ile Cys Asn  
435 440 445

Met Asn Ser Arg Leu Thr His Arg Phe Leu Thr Leu Thr Lys Leu His  
450 455 460

Glu Gln Ser Met Ile Pro Met Val Val Glu Met Leu Ala Ala Val Lys  
465 470 475 480

Glu His Val Thr Leu Met Glu Val Cys Leu Gly Leu Phe Lys Glu Leu  
485 490 495

Arg Lys Leu Gln Ile Leu Ile Val Asp Ala Gly Glu His Leu Asp Asp

500

505

510

Thr Cys Gly Leu Trp Gly Asn Ile Tyr Gly Gln Val Met Ser Asn Glu  
515 520 525

Ala Ile Lys Pro Arg Ala Val Asn Trp Pro Ala Leu Glu Ser Tyr Ile  
530 535 540

Gln Thr Leu Thr Ser Leu Glu Ser Asn Ala Ala Asn  
545 550 555

<210> 36  
<211> 118  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 36

Met Thr Tyr Pro Arg Leu Arg Pro Glu Arg Arg Gly Asn Tyr Cys Thr  
1 5 10 15

Arg Thr Leu Cys Met Arg Ser Arg Gly Ala His Leu Lys Gly Arg Pro  
20 25 30

Cys Arg Ala Val Val Arg Gly Pro Arg Cys Pro Arg Ser Arg Leu Asp  
35 40 45

Phe Asn Met Leu Asp Asp Arg Val Leu Gly Ile Glu Arg Arg Gly Ser  
50 55 60

Leu Pro Gly Pro Ser Phe Leu Pro Arg Ala Ser Thr Asn Met Arg Lys  
65 70 75 80

Tyr Arg Ser Val Leu His Ala Arg Leu Lys Ala Gly Thr Arg Asp Ile  
85 90 95

Leu Pro Leu Gly Val Gly Val Glu Phe Arg Asp Pro Arg Arg Gln Asn  
100 105 110

Leu Val Thr Val Arg Gly  
115

<210> 37  
<211> 82  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 37

Met Ser Leu Val Pro Ala Phe Asn Arg Ala Cys Ser Thr Leu Arg Tyr  
1 5 10 15

Phe Arg Ile Phe Val Leu Ala Leu Gly Arg Lys Leu Gly Pro Gly Lys  
20 25 30

Leu Pro Arg Leu Ser Ile Pro Lys Thr Leu Ser Ser Asn Ile Leu Lys  
35 40 45

Ser Ser Arg Glu Arg Gly His Leu Gly Pro Arg Thr Thr Ala Arg His  
50 55 60

Gly Arg Pro Phe Arg Trp Ala Pro Arg Leu Arg Ile Gln Ser Val Arg  
65 70 75 80

Val Gln

<210> 38  
<211> 109  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 38

Met Phe Asn Phe Lys Ile Pro Phe Leu Phe Cys Asn Val Ser Cys Asn  
1 5 10 15

Val Ser Arg Ile Phe Glu Leu Ala Gln Ala Ser Cys Ile Thr Arg Glu  
20 25 30

Val Asn Thr Ser Leu Thr Phe Phe Gln Leu Ile Arg Tyr Arg Val Leu  
35 40 45

Leu Asn Ser Ser Ser Thr Val Asp Ile Ser Leu Leu Thr Gly Val Val  
50 55 60

Val Ala Gly Val Lys Arg Thr Ile Ser Ser Pro Gly Thr Phe Ser Ser  
65 70 75 80

Leu Tyr Ser Tyr Pro Leu Ile Thr Glu Asn Val Ile Thr Asn Lys His  
85 90 95

Lys Pro Trp Leu Ile Gly Cys Ile Ala Phe Gln Ala Gly  
100 105

<210> 39  
<211> 726  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 39

Met Gln Pro Ile Asn His Gly Leu Cys Leu Leu Val Ile Thr Phe Ser  
1 5 10 15

Val Ile Asn Gly Tyr Glu Tyr Asn Glu Glu Asn Val Pro Gly Leu Glu  
20 25 30

Ile Val Leu Phe Thr Pro Ala Thr Thr Pro Val Lys Ser Asp Ile  
35 40 45

Ser Thr Val Glu Leu Glu Phe Asn Arg Thr Arg Tyr Arg Ile Asn Trp  
50 55 60

Lys Asn Val Ser Glu Val Leu Thr Ser Arg Val Ile Gln Asp Ala Trp  
65 70 75 80

Ala Ser Ser Lys Ile Leu Glu Thr Leu Gln Glu Thr Leu Gln Lys Arg  
85 90 95

Lys Gly Ile Leu Lys Leu Asn Met Ala Tyr Val Ser Asn Lys Glu Ile  
100 105 110

Asn Phe Cys Lys Ser Phe Ser Ser Glu Ile Ile Asn Ile Thr Ser  
115 120 125

Asp Phe Asn Tyr Ser Ser Leu Pro Gly Phe Leu Gly Ser Phe Asp Val  
130 135 140

Ile Asn His Glu Leu Thr His Gly Val Leu Val Ser Lys Arg Glu Leu  
145 150 155 160

Phe Thr Asn Ala Leu Asp Ile Met Gly Leu Phe Tyr Ala Ile Lys Leu  
165 170 175

Asn Ala Glu Thr Phe Lys Ile Thr Phe Asp Glu Ser Lys Val Ile Ile  
180 185 190

Ser Gly Ile Met Thr Ala Asp Trp Ile Leu Val Ser Ile Ala Asn Ser  
195 200 205

Ser Ser Glu Val Asn Gly Gln Cys Val Ala Leu Leu Phe Gly Asp Pro

210

215

220

Glu Lys Phe Pro Pro Leu Lys Gly Tyr Val Ser Tyr Arg Asp Leu Val  
225 230 235 240

Val Val Arg Asn Asp Asn Tyr Ala Ile Ala Val Ile Ala Pro Met Ser  
245 250 255

His Gly Thr Met Gly Leu Asn Phe Leu Pro Gln Asn Leu Thr Asp Ile  
260 265 270

Phe Phe Ser Ile Leu Asn Ser Pro Leu Lys Val Ile Asn Tyr Leu Lys  
275 280 285

Gly Lys Leu Phe Glu Leu Glu Ser Lys Gly Ala Cys Gln Asn Pro Ser  
290 295 300

Asn Glu Gln Asn Ile Leu Ser Leu Phe Phe Glu Val Thr Ala Ile His  
305 310 315 320

Phe Leu Tyr Val Arg Asn Leu Asn Lys Glu Glu Pro Val Asn Val Gly  
325 330 335

Cys Val Val Lys His Val Ala Ala Leu Lys Ser Leu Glu Arg Leu Phe  
340 345 350

,

Lys Leu Cys Phe Pro Ala Phe Glu Leu His Ser Leu Asn Leu Trp Thr  
355 360 365

Leu Ser His Leu Ala Ala Ser Gln Ile Ala Asn Leu Pro Pro Asn Asn  
370 375 380

Val Met Ser Leu Thr Met Asp Glu Gln Glu Val Val Phe Ser Met Phe  
385 390 395 400

Lys Leu Ala Asp Asn Asn Val Asn Glu Ile Ile Leu Asn Glu Ile  
405 410 415

Ile Asn Ile Ser Asp Gln Met Tyr Thr Met Tyr Ser Asp Ile Tyr Gln  
420 425 430

Leu Ser Asn Thr Tyr Arg Gln Thr Val Met Asp Ile Tyr Glu Val Leu  
435 440 445

Thr Thr Val Ser Leu Thr Asn Val Gly Ala Arg Ala Val Tyr Pro Tyr

450

455

460

Ile Leu Phe Thr Ser Met Cys Asn Asn Val Glu Ile Ser Tyr Met Ile  
465 470 475 480

Asn Gln Ile Ser Lys Pro Asp Asp Ile Thr Ile Phe Arg Val Phe Ser  
485 490 495

Pro Cys Phe Leu Ser Leu Arg Phe Asp Leu Asp Glu Asn Lys Leu Arg  
500 505 510

Ser Asp Ala Pro Gln Thr Ser Lys Arg Thr Gly Ser Glu Leu Ala Gln  
515 520 525

Gly Ala Ser Gly Phe Trp Arg Leu Leu His Ala Phe His Ala Thr Arg  
530 535 540

Ile Asn Glu Phe Ser Val Ile Asn Cys Thr Arg Leu Ala Trp Lys Gln  
545 550 555 560

Val Thr Ala Leu Met Pro Leu Thr Asn Ile Thr Tyr Val Ile Ser Ser  
565 570 575

Val Arg Pro Asp His Ala Arg Val Tyr Glu Val Ser Glu Val Phe Leu  
580 585 590

Asn Ser Ala Met Phe Val Ser Ala Val Tyr Pro Asn Cys Ser His Phe  
595 600 605

Thr Pro Pro Gly Thr Ala Leu His Ile Pro Ile Leu Tyr Asn Phe Ser  
610 615 620

Ala Pro Arg Ile Gly Cys Pro Leu Cys Asp Ser Ile Val Leu Ser Tyr  
625 630 635 640

Asp Glu Asn Gln Gly Leu Gln Thr Met Met Tyr Val Ser Asn Pro Gln  
645 650 655

Val Gln Ala Asn Leu Phe Ser Pro Tyr Ser Pro Phe Phe Asp Asn Asp  
660 665 670

Asn Phe His Ile His Tyr Leu Trp Leu Met Asn Asn Gly Thr Val Val  
675 680 685

Glu Ile Arg Gly Leu Tyr Arg Arg His Ala Leu Ser Ala Ile Ala Phe

690

695

700

Val Phe Ala Phe Ile Gly Thr Met Ser Ala Leu Tyr Phe Leu Phe Lys  
705 710 715 720

Leu Phe Ser Ile Leu Ala  
725

<210> 40  
<211> 99  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 40

Met Phe Ile Ile Ser Phe Lys Met Ile Ser Phe Thr Leu Leu Leu Ser  
1 5 10 15

Ala Ser Leu Asn Ile Glu Asn Thr Thr Ser Cys Ser Ser Ile Val Asn  
20 25 30

Asp Ile Thr Leu Phe Gly Gly Lys Leu Ala Ile Cys Asp Ala Ala Arg  
35 40 45

Cys Asp Asn Val His Lys Leu Ser Glu Cys Asn Ser Asn Ala Gly Lys  
50 55 60

His Asn Leu Asn Asn Leu Ser Lys Leu Phe Lys Ala Ala Thr Cys Phe  
65 70 75 80

Thr Thr His Pro Thr Phe Thr Gly Ser Ser Leu Phe Lys Phe Leu Thr  
85 90 95

Tyr Lys Lys

<210> 41  
<211> 187  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 41

Met Gly Ser Arg Gln Pro Gln Ile Gly Glu Ser Pro Ile Thr Ala Phe  
1 5 10 15

Asn Thr Val Thr Ile Met Gln Arg Ala Asn Asn Ser Ile Met Phe Leu  
20 25 30

Pro Asn Leu Lys Leu Lys Pro Ile Gln His Leu Phe Leu Lys His Val  
35 40 45

Leu Leu Gln Arg Leu Gly Leu Glu Asn Ile Leu Phe His Phe Lys Met  
50 55 60

Leu Tyr Ala Asn Thr Cys Lys Ala Ala Ala Pro Tyr Gln Arg Glu Tyr  
65 70 75 80

Phe Glu Ser Met Leu Ser Arg Val Lys Gln Arg Leu Glu Asp Met Val  
85 90 95

Phe Cys Leu Asn Ser Ile Glu Ser His Asn Phe Gln Lys Asp Phe Lys  
100 105 110

Val Thr Ser Arg Ala Pro Gln Gln Leu Leu Thr Ala Thr Asp Lys Tyr  
115 120 125

Phe Leu Met Phe Pro Pro Gln Asn Arg Asp Leu Ala Ile Gln Val Gly  
130 135 140

Ala Glu Val Ile Glu Ser Ile Cys Asp Gly Thr Pro Leu Phe Glu Val  
145 150 155 160

Leu Ala Asn Leu Asn Pro Arg Val Thr Ile Gln Lys Glu Thr Gly Asn  
165 170 175

Asn Leu Leu Lys Phe Tyr Ala Leu Leu Thr Val  
180 185

<210> 42  
<211> 103  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 42

Met Ile Val Thr Val Leu Asn Ala Val Ile Gly Leu Ser Pro Ile Cys  
1 5 10 15

Gly Trp Arg Glu Pro Met Ala Lys Asn Met Ser Ala Ser Lys Gln Ser  
20 25 30

Asp Cys Thr Ser Glu Ser Leu Val Ala Gly Gly Cys Leu Arg Met Asp  
35 40 45

Arg Ser Phe Leu Ser Ser Asp Val Lys Gly Ala Leu His Lys Val Gly  
50 55 60

Gly Ala Phe Gly Ser Tyr Ser Cys Val Val Phe Ala Ser Ser Phe Met  
65 70 75 80

Val Ile Cys Leu Leu Phe Val Arg Val Thr Gly Gly Val Leu Thr Val  
85 90 95

Thr Trp Thr Glu Asn Gly Leu  
100

<210> 43  
<211> 128  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 43

Met Ile Lys Ile Pro Asp Leu Lys Ala Arg Leu Val Gly Gly Ala Val  
1 5 10 15

Gln Leu Ser Asn Gly Glu Tyr Val Cys His Val Val Tyr Ser Ser Ala  
20 25 30

Leu Ala Ala Met Val Gly Leu Pro Gly Pro Ala Val Pro Leu Pro Leu  
35 40 45

Leu Phe Lys Lys Phe Gly Thr Ile Tyr Ser Asn Met Met Pro Leu Tyr  
50 55 60

Ala Pro Lys Arg Pro Glu Leu Ser Met Leu Arg Ile Met Val Ser Pro  
65 70 75 80

His Pro Tyr Ala Leu Asn Ser Cys Leu Cys Val Gly Thr Asp Glu Gly  
85 90 95

Glu Arg Gly Val Ser Leu Phe Arg Asp Pro Val Ile Arg Ser Ser Asp  
100 105 110

Phe Asp Asp Thr Pro Ile Thr Val Arg Leu Lys Ile Ser Asp Arg Glu  
115 120 125

<210> 44  
<211> 733  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 44

Met Met Leu Leu Gln Gly Pro Val Leu Leu Pro Ala Cys Pro Ala Thr  
1 5 10 15

Ala Thr Ala Asp Thr Pro Ser Pro Ala Asn Ser Asp Phe Lys Thr Gln  
20 25 30

Leu Ala Ile Phe Cys Cys Leu Ala Thr Asn Asn Glu Ile Leu Glu Asn  
35 40 45

Val Ser Leu Glu Val Leu Asp Arg Ala Met Glu Thr Glu Thr Thr Phe  
50 55 60

Tyr Ala Cys Arg Ala Leu Arg Arg Leu Val Leu Gly Glu Gly Leu Tyr  
65 70 75 80

Pro Phe Ile His Arg Gln Gly Gly Ile Val Gly Lys Thr Gly Asn Glu  
85 90 95

Tyr Ala Gly Pro Gly Leu Ile Ile Asp Asp Ala Ile Gly Cys Thr Phe  
100 105 110

Ser His Ile Glu Thr His Thr Phe Leu Pro Thr Val Phe Thr Tyr Glu  
115 120 125

Leu Ser Asp Thr Val Trp Val Gln Arg Asp Glu Arg Ile Leu Arg Ser  
130 135 140

Leu Tyr Cys Ser Pro Leu Met Val Cys Gly Val Asn Tyr Gln Ser Met  
145 150 155 160

Phe Arg Ile Leu Cys Arg Tyr Leu Gln Ile Trp Glu Phe Glu Glu Cys  
165 170 175

Phe Ala Ala Phe Thr Arg Thr Leu Pro Glu His Leu Ile Gly Thr Cys  
180 185 190

Tyr Gln Asn Tyr Phe Lys Leu Leu Glu Pro Phe Lys Thr Leu Thr Leu  
195 200 205

Ala Arg Cys Pro Pro Cys Ala Lys Leu His Leu Asn Tyr Leu Lys  
210 215 220

Phe Asn Ile Leu Gly Phe Thr Ser Asp Trp Ile Ser His Pro Glu Leu  
225 230 235 240

His Arg Val Gln Thr Val Ile Ile Tyr Asn Ile Glu Ser Asn Pro Val  
245 250 255

Leu Leu Lys Asn Leu Ser Lys Gln Asn Lys Phe Gln Asp Ile Arg Val  
260 265 270

Ala Ser Glu Leu Ile Ile Asp Tyr Gln Asn Ile Val Asn Gln Ser Leu  
275 280 285

Gly Val Asn Leu Gln Val Lys Ile Asn Lys Lys Asp Pro Gly Lys Lys  
290 295 300

Pro Tyr Lys Val Val Val Val Thr Pro Lys Ser Thr Tyr Tyr Leu Thr  
305 310 315 320

Phe Pro Pro Glu Val Pro Ile Phe Arg Val Ala Met Cys Met Ser Val  
325 330 335

Ala Glu His Val Cys His Ser Cys Asp Arg Leu Tyr Pro Asn Thr Glu  
340 345 350

Phe Leu Gly Pro Gly Glu Thr Pro Arg Val Leu Glu Ala Met Phe Ser  
355 360 365

Arg Ile Gln Tyr Ala Pro Lys Asp Arg Asp His Asn Phe Ile Phe Asp  
370 375 380

Ala Asn Gln Asn Pro Asp Arg His Lys Gln Val His His Asp His Gln  
385 390 395 400

Thr Glu Pro Leu Pro Asp Met Phe Asp Pro Val Lys His Leu Ser Leu  
405 410 415

His Asn Phe Lys Ile Ser Val Phe Asn Thr Asn Met Val Ile Asn Thr  
420 425 430

Lys Ile Thr Cys Arg Ser Leu Thr Gly Thr Phe Glu Ser Ile Ile Asp  
435 440 445

Ile Pro Arg Leu Thr Asn Asn Phe Val Met Lys Lys Phe Ser Val Lys  
450 455 460

Glu Pro Ser Phe Thr Val Ser Val Phe Tyr Ser Asp Asn Leu Cys Asn  
465 470 475 480

Gly Ala Ala Ile Asn Val Asn Ile Ser Gly Asp Met Leu His Phe Met  
485 490 495

Phe Ala Met Gly Asn Leu Arg Cys Phe Leu Pro Val Lys His Ile Phe  
500 505 510

Pro Val Ser Ile Ala Asn Trp Asn Ser Thr Leu Asp Leu His Gly Leu  
515 520 525

Glu Asn Gln Tyr Ile Val Arg Arg Gly Arg Arg Asp Val Phe Trp Thr  
530 535 540

Thr Asn Phe Pro Ser Val Val Ser Ser Lys Asp Gly Cys Asn Val Ser  
545 550 555 560

Trp Phe Lys Ala Ala Thr Ala Thr Ile Ser Lys Ile Tyr Gly Arg Pro  
565 570 575

Leu Leu Lys Lys Leu Ser Asp Glu Leu Asp Pro Ile Leu Ser Val Pro  
580 585 590

Tyr Ala Arg Ile Asp Gln Val Lys Asn Thr Ile Phe Thr Thr Leu Glu  
595 600 605

Thr Arg Asn Lys Ala Gln Ile Gln Thr Leu His Lys Arg Phe Ile Glu  
610 615 620

Cys Leu Val Glu Cys Cys Ser Phe Leu Arg Leu Asp Leu Gly Ala Leu  
625 630 635 640

Asn Arg Ala Ala Arg Leu Gly Ala Phe Asp Phe Ser Lys Arg Ile Ile  
645 650 655

Ser His Thr Lys Ser Lys His Glu Cys Ala Ile Leu Gly Tyr Lys Lys  
660 665 670

Cys Asn Leu Ile Pro Lys Ile Tyr Val Arg Ser Lys Lys Ile Arg Leu  
675 680 685

Asp Glu Leu Gly Arg Asn Ala Asn Phe Met Ser Phe Ile Ala Thr Thr  
690 695 700

Gly His Ala Phe Ser Asn Leu Lys Pro Gln Val Ile Arg His Thr Ile  
705 710 715 720

Arg Arg Leu Gly Leu His Trp Arg His Lys Ala Lys Ile  
725   730

<210> 45  
<211> 88  
<212> PRT  
<213> Japanese Macaque Herpesvirus  
  
<400> 45

Met Tyr Ile Phe Pro His Arg Asn Ala Tyr Val Phe Thr His Arg Leu  
1   5   10   15

His Leu Arg Thr Val Arg His Gly Leu Gly Ser Thr Arg Arg Thr Asn  
20   25   30

Pro Thr Val Pro Val Leu Phé Ala Ile Asn Gly Met Trp Arg Lys Leu  
35   40   45

Ser Lys His Val Ser Asn Ser Leu Ser Leu Pro Ser Asn Met Gly Ile  
50   55   60

Arg Gly Met Leu Cys Arg Leu His Ala Tyr Thr Ala Gly Thr Ser Asp  
65   70   75   80

Arg His Val Leu Ser Glu Leu Leu  
85

<210> 46  
<211> 1378  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 46

Met Glu Ala Ala Leu Glu Val Arg Pro Phe Pro Tyr Met Ala Thr Glu  
1   5   10   15

Ala Asn Leu Leu Arg Gln Met Lys Glu Ser Ala Ala Ser Gly Leu Phe  
20   25   30

Lys Ser Phe Gln Leu Leu Gly Lys Asp Ala Arg Glu Gly Gly Val  
35   40   45

Gln Phe Glu Gly Leu Leu Gly Val Tyr Thr Asn Val Ile Gln Phe Val  
50   55   60

Lys Phe Leu Glu Thr Ser Leu Ala Val Ala Cys Val Asn Thr Glu Phe  
65 70 75 80

Lys Asp Leu Lys Arg Met Thr Asp Gly Lys Ile Gln Phe Lys Val Ser  
85 90 95

Val Pro Thr Ile Ala Tyr Gly Asp Gly Arg Arg Pro Thr Lys Gln Lys  
100 105 110

Gln Tyr Ile Ile Met Lys Ala Cys Asn Lys His His Ile Gly Ala Glu  
115 120 125

Ile Glu Leu Ser Thr Asp Asp Ile Glu Leu Leu Phe Ile Asp Arg Glu  
130 135 140

Thr Pro Leu Asp Tyr Thr Glu Tyr Ala Gly Ala Val Lys Thr Ile Thr  
145 150 155 160

Ala Ser Leu Gln Phe Gly Val Asp Ala Leu Glu Arg Gly Leu Val Asp  
165 170 175

Thr Val Leu Asn Val Lys Leu Arg Ser Ala Pro Pro Met Phe Ile Leu  
180 185 190

Lys Thr Leu Ser Asp Pro Val Tyr Thr Glu Arg Gly Leu Lys Lys Ala  
195 200 205

Val Lys Ser Asp Met Val Ser Met Phe Lys Ser Tyr Leu Met Asp Asn  
210 215 220

Ser Phe Phe Leu Asp Lys Ser Asp Ile Ala Val Lys Gly Lys Gln Tyr  
225 230 235 240

Val Leu Ser Val Leu Ser Asp Met Val Gly Ala Val Cys His Glu Thr  
245 250 255

Val Phe Lys Gly Thr Asn Thr Tyr Leu Ser Ala Ser Gly Glu Pro Ile  
260 265 270

Ala Gly Val Met Glu Thr Thr Glu Asn Val Met Arg Lys Leu Leu Asn  
275 280 285

Met Leu Gly Gln Val Asp Gly Gly Met Ser Gly Pro Ala Ser Tyr Ala  
290 295 300

Asn Tyr Val Val Arg Gly Glu Asn Leu Val Thr Ala Val Thr Tyr Gly  
305 310 315 320

Arg Val Met Arg Thr Phe Asp Gln Phe Met Lys Arg Ile Val Asp Arg  
325 330 335

Pro Asn Ala Gln Pro Asn Val Asp Asp Asp Arg Asp Ala Val Ala Asp  
340 345 350

Gly Gln Asp Ser Leu Ala Lys Thr Pro Ile Ala Ala Ala Val Ile Gln  
355 360 365

Ile Gly Asp Lys Leu Val Ala Leu Glu Ser Leu Gln Arg Met Tyr Asn  
370 375 380

Glu Thr Gln Phe Pro Phe Pro Leu Asn Arg Arg Met His Tyr Thr Tyr  
385 390 395 400

Phe Phe Pro Ile Gly Leu His Met Pro Arg Pro Gln Tyr Ser Thr Ser  
405 410 415

Ala Thr Ile Lys Gly Val Glu Asn Pro Ala Glu Gln Ser Val Glu Thr  
420 425 430

Trp Ile Val Asn Lys Asn Asn Val Leu Leu Ser Phe Asn Tyr Gln Asn  
435 440 445

Ala Leu Lys Ser Ile Cys His Pro Arg Met His Asn Pro Ile Pro Cys  
450 455 460

Gly Gln Ala Leu Gly Gln Ala Phe Pro Asp Pro Gly His Val His Arg  
465 470 475 480

Tyr Gly Gln Lys Ser Glu His Pro Pro Asn Met Asn Leu Tyr Gly Leu  
485 490 495

Val Tyr Asn Tyr Tyr Gln Gly Lys Asn Val Ala His Val Pro Asp Ile  
500 505 510

Ala Leu Lys Ala Thr Met Thr Thr Asp Glu Leu Leu His Pro Thr Ser  
515 520 525

His Glu Thr Leu Arg Leu Glu Val His Pro Met Phe Asp Phe Phe Val  
530 535 540

His Gln Gln Pro Gly Ala Gln Ala Ala Tyr Arg Ala Thr His Arg Thr  
545 550 555 560

Met Val Gly Asn Ile Pro Gln Pro Leu Ala Pro Asn Glu Phe Gln Asn  
565 570 575

Ser Arg Gly Leu Gln Phe Asp Arg Ala Ala Ala Val Ala His Val Leu  
580 585 590

Asp Gln Ser Thr Met Glu Ile Ile Gln Asp Thr Ala Phe Asp Thr Ser  
595 600 605

Tyr Pro Leu Leu Cys Tyr Val Ile Glu Cys Leu Val His Gly Gln Glu  
610 615 620

Asp Lys Phe Leu Ile Asn Ser Pro Leu Ile Ala Leu Thr Ile Glu Thr  
625 630 635 640

Tyr Trp Asn Asn Ala Gly Lys Leu Ala Phe Ile Asn Ser Phe Pro Met  
645 650 655

Leu Arg Phe Ile Cys Val His Leu Gly Asn Gly Ser Ile Ser Lys Asp  
660 665 670

Val Tyr Ala His Tyr Arg Lys Val Phe Gly Glu Leu Val Val Leu Gln  
675 680 685

Gln Ala Leu Ser Lys Ile Ala Gly His Glu Val Val Gly Arg Arg Pro  
690 695 700

Ala Ser Glu Leu Ile Asn Cys Leu Gln Asp Pro Asn Leu Leu Pro Pro  
705 710 715 720

Phe Ala Tyr Asn Asp Val Phe Thr Asn Leu Leu Arg Gln Ser Ser Arg  
725 730 735

His Pro Met Val Leu Ile Gly Asp Glu Gly Tyr Glu Thr Glu Asn Asp  
740 745 750

Arg Asp Thr Tyr Ile Asn Val Arg Gly Lys Met Glu Asp Leu Val Gly  
755 760 765

Asp Met Val Asn Ile Tyr Glu Thr Arg Asn Asn Ala Asp His Asp Gly  
770 775 780

Arg His Val Leu Asp Val Gly Pro Phe Asn Glu Glu Gln His Met  
785 790 795 800

Ala Val Leu Glu Lys Leu Phe Tyr Tyr Val Val Leu Pro Ala Cys Ala  
805 810 815

Asn Gly His Val Cys Gly Met Gly Val Asp Phe Asp Asn Val Ala Leu  
820 825 830

Ala Leu Thr Tyr Asn Gly Pro Val Phe Ala Asp Val Val Asn Pro Asp  
835 840 845

Asp Glu Ile Leu Asp His Leu Glu Asn Gly Thr Leu Arg Glu Met Leu  
850 855 860

Glu Ala Ser Asp Ile His Pro Thr Val Asp Met Ile Arg Thr Leu Cys  
865 870 875 880

Thr Ser Phe Leu Thr Cys Pro Phe Val Thr Gln Ala Ser Arg Val Val  
885 890 895

Thr Gln Arg Asp Pro Ala Gln Leu Leu Thr Thr His Asp Asp Gly Arg  
900 905 910

Tyr Val Ser Gln Thr Val Leu Val Asn Gly Phe Ala Ala Phe Ala Ile  
915 920 925

Ala Asp Arg Ser Arg Asp Val Ala Glu Thr Met Phe Tyr Pro Val Pro  
930 935 940

Phe Thr Lys Leu Tyr Ser Asp Pro Leu Val Ala Ala Thr Leu His Pro  
945 950 955 960

Leu Val Ala Asn Tyr Val Thr Arg Leu Pro Ala Gln Arg Val Pro Val  
965 970 975

Ala Phe Asn Val Pro Pro Ala Leu Met Ala Glu Tyr Glu Glu Trp His  
980 985 990

Lys Ser Pro Ile Leu Ala Tyr Ala Asn Thr Cys Pro Ile Thr Pro Thr  
995 1000 1005

Ser Leu Ser Thr Leu Thr Ser Met His Met Lys Leu Ser Ala Pro  
1010 1015 1020

Gly Phe Ile Cys His Ala Lys His Lys Ile His Pro Gly Phe Ala  
1025 1030 1035

Met Thr Ala Val Arg Thr Asp Glu Val Leu Ala Glu Asn Leu Leu  
1040 1045 1050

Phe Ser Ala Arg Ala Ser Thr Ser Met Phe Leu Gly Gln Pro Ser  
1055 1060 1065

Val Met Arg Arg Glu Val Arg Ala Asp Ala Val Thr Phe Glu Val  
1070 1075 1080

Asn His Glu Leu Ala Ser Leu Asp Met Ala Leu Gly Tyr Ser Ser  
1085 1090 1095

Thr Ile Thr Pro Ala His Val Ala Ala Ile Thr Ser Asp Met Gly  
1100 1105 1110

Val His Cys Gln Asp Leu Phe Leu Met Phe Pro Gly Asp Ser Tyr  
1115 1120 1125

Gln Asp Arg Thr Leu Asn Asp Tyr Val Lys Gln Lys Ala Gly Cys  
1130 1135 1140

Gln Arg Phe Gly Gly Pro Gly Gln Ile Arg Glu Pro Val Ala Tyr  
1145 1150 1155

Val Ala Gly Val Pro His Ser Asp Asn Ile Pro Gly Leu Ser His  
1160 1165 1170

Gly Gln Leu Ala Thr Cys Glu Ile Val Leu Thr Pro Val Thr Ala  
1175 1180 1185

Asp Val Thr Tyr Phe Gln Thr Pro Asn Ser Pro Arg Gly Arg Ala  
1190 1195 1200

Ser Cys Val Ile Ser Cys Asp Ala Tyr Asn Asn Glu Ser Ala Glu  
1205 1210 1215

Arg Leu Leu Phe Asp His Ser Ile Pro Asp Ser Ala Tyr Glu Tyr  
1220 1225 1230

Arg Thr Thr Val Asn Pro Trp Ala Ser Gln Gln Gly Ser Leu Gly  
1235 1240 1245

Asp Val Leu Tyr Asn Ser Thr Ser Arg Gln Val Ala Val Pro Gly  
1250 1255 1260

Met Tyr Ser Pro Cys Arg Gln Phe Phe His Lys Asp Ala Ile Leu  
1265 1270 1275

Arg Asn Asn Arg Gly Leu Asn Thr Leu Val Thr Glu Tyr Ala Ala  
1280 1285 1290

Arg Leu Thr Gly Thr Pro Ala Thr Ser Ala Thr Asp Leu Gln Tyr  
1295 1300 1305

Val Val Val Asn Gly Thr Asp Val Phe Leu Glu Gln Pro Cys Gln  
1310 1315 1320

Phe Leu Gln Glu Ala Phe Pro Thr Leu Ala Ala Ser His Arg Ala  
1325 1330 1335

Leu Leu Asp Glu Tyr Met Ser Asn Lys Leu Thr His Ala Pro Val  
1340 1345 1350

His Met Gly His Tyr Met Ile Glu Glu Val Ala Pro Met Lys Arg  
1355 1360 1365

Leu Leu Lys Ile Gly Asn Lys Val Ala Tyr  
1370 1375

<210> 47  
<211> 107  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 47

Met Ser Cys Cys Thr Arg Pro Arg Thr Arg Arg Phe Val Trp Arg Phe  
1 5 10 15

Ile Arg Cys Leu Ile Phe Leu Phe Ile Ser Ser Gln Val Arg Lys Pro  
20 25 30

Arg Ile Gly Leu Pro Thr Gly Leu Trp Trp Val Thr Phe Arg Asn His  
35 40 45

Trp Arg Pro Thr Ser Phe Lys Thr Ala Glu Ala Cys Ser Leu Thr Glu  
50 55 60

Arg Arg Pro Trp Leu Thr Cys Trp Thr Ser Gln Pro Trp Lys Leu Ser

65

70

75

80

Lys Ile Arg Arg Leu Thr Arg His Thr His Cys Phe Val Met Ser Leu  
85 90 95

Asn Ala Ser Ser Thr Asp Arg Lys Thr Asn Phe  
100 105

<210> 48  
<211> 146  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 48

Met Ile Arg Val Val Ser Gly Phe Val Asn Val Asn His Val Thr Asp  
1 5 10 15

Glu Val Leu His Phe Ser Ser Asp Val Asn Val Arg Ile Pro Val Ile  
20 25 30

Phe Arg Phe Val Pro Leu Val Ser Tyr Glu Tyr His Arg Val Pro Arg  
35 40 45

Gly Leu Pro Lys Gln Val Gly Lys Asn Val Ile Val Ser Lys Gly Arg  
50 55 60

Gln Lys Ile Gly Val Leu Lys Thr Val Asn Gln Leu Gly Arg Trp Pro  
65 70 75 80

Ala Ser His His Leu Val Ala Ser Asn Phe Arg Glu Arg Leu Leu Gln  
85 90 95

Asn Asn Glu Leu Ala Lys Asn Phe Ser Val Met Gly Val His Val Leu  
100 105 110

Arg Asn Thr Thr Val Ala Gln Val Asn Ala Asp Lys Ser Gln His Arg  
115 120 125

Glu Ala Val Asn Lys Arg Gln Phe Ser Gly Val Val Pro Val Gly Phe  
130 135 140

Asn Gly  
145

<210> 49  
<211> 83

140

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 49

Met Thr Gly Ile Arg Thr Leu Thr Ser Glu Glu Lys Trp Arg Thr Ser  
1 5 10 15

Ser Val Thr Trp Leu Thr Phe Thr Lys Pro Glu Thr Thr Arg Ile Met  
20 25 30

Thr Ala Ala Thr Ser Leu Thr Ser Val Pro Leu Thr Lys Thr Asn Ser  
35 40 45

Thr Trp Arg Cys Trp Lys Ser Ser Phe Ile Thr Trp Ser Cys Gln Pro  
50 55 60

Val Pro Thr Ala Thr Ser Ala Ala Trp Ala Ser Ile Leu Thr Thr Trp  
65 70 75 80

Pro Trp Pro

<210> 50

<211> 305

<212> 'PRT

<213> Japanese Macaque Herpesvirus

<400> 50

Met Ala Leu Asp Lys Ser Ile Val Val Ser Val Thr Ser Arg Leu Phe  
1 5 10 15

Ala Asp Glu Ile Ala Asn Leu Gln Ser Lys Ile Gly Cys Ile Leu Pro  
20 25 30

Leu Arg Asp Ala His Arg Leu Gln Asn Ile Gln Ala Leu Gly Leu Gly  
35 40 45

Asn Leu Cys Ser Arg Asp Ser Ala Val Asp Phe Ile Gln Ala Tyr His  
50 55 60

Tyr Leu Asp Lys Cys Thr Leu Ala Val Leu Glu Glu Val Gly Pro Asn  
65 70 75 80

Ser Leu Arg Leu Thr Arg Ile Asp Pro Met Asp Asn Tyr Gln Ile Lys  
85 90 95

Asn Ala Tyr Gln Pro Ala Phe His Trp Asp Asn Tyr Ser Glu Leu Val  
100 105 110

Val Ile Pro Pro Val Phe Gly Arg Lys Asp Ala Thr Val Ser Leu Glu  
115 120 125

Ser Asn Gly Phe Asp Val Val Phe Pro Ala Val Val Pro Glu Pro Leu  
130 135 140

Ala Gln Thr Val Leu Gln Lys Leu Leu Leu Tyr Asn Ile Tyr Tyr Arg  
145 150 155 160

Val Ala Glu Thr Thr Pro Thr Asp Val Asn Leu Ala Glu Val Thr Leu  
165 170 175

Tyr Thr Thr Asn Ile Thr Tyr Met Gly Arg Asn Tyr Ala Leu Asp Met  
180 185 190

Asp Pro Val Gly Ser Ser Ser Ala Met Arg Met Leu Asp Asp Leu Ser  
195 200 205

Ile Tyr Leu Cys Val Leu Ser Ala Leu Ile Pro Arg Gly Cys Val Arg  
210 215 220

Leu Leu Thr Ser Leu Val Arg His Asn Lys His Glu Leu Val Glu Ile  
225 230 235 240

Phe Glu Gly Val Val Pro Pro Glu Val Gln Ala Leu Asp Leu Asn Asn  
245 250 255

Val Ser Val Ala Asp Asp Ile Thr Arg Met Gly Ala Leu Met Thr Tyr  
260 265 270

Leu Arg Ser Leu Ser Ser Ile Phe Asn Leu Gly Arg Arg Leu His Val  
275 280 285

Tyr Ala Phe Ser Ser Asp Thr Asn Thr Ala Ser Cys Trp Cys Ala Tyr  
290 295 300

Asn  
305

<210> 51  
<211> 274  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 51

Met Ser Ile Pro Lys Ile Met Thr Val Ser Arg Asp Asn Glu Gly Thr  
1 5 10 15

Val Cys Glu Val Ala Val Asp Asn Gly Arg His Arg Ala Met Ile Tyr  
20 25 30

Tyr Pro Lys Ile Thr Asn Ser Ser Asn Glu Arg Ala Ala Gln Arg Ala  
35 40 45

Asp Val Val Lys Glu Ala Phe Asp Thr Glu Thr Pro Val Asp Ile Val  
50 55 60

Lys Gln Ile Val Asn Glu Gly Leu Ala Ile Ser Lys Arg Asn Cys Val  
65 70 75 80

Arg Leu Ala Leu Tyr Leu Tyr Phe Tyr Leu Gln Tyr Val Cys Phe Ala  
85 90 95

Ile Leu Ile Thr Trp Gln Leu Asn Pro His Ile Asp Pro Pro Gly Leu  
100 105 110

Val Phe Ala Val Asn Pro Met Gly Pro Lys His Val Ser Lys Leu Pro  
115 120 125

His Pro Ala Ile Val Ala Val Gly Cys Gly Thr Asp Ala Ile Cys Lys  
130 135 140

Asn Cys Ser Val Pro Asp Ile Lys Thr Glu Leu Gly Val Val Tyr His  
145 150 155 160

Asn Gly Ser Ser Asp Ser Gly Gln Ser Ala His Tyr Gly Leu Ala Leu  
165 170 175

Leu Lys Ala Ala Trp Leu Val Met Gly Asn Val Cys Pro Glu Pro Val  
180 185 190

Val Arg Gln Gly Ala Glu Leu Leu Gly Pro Trp Asn Arg Thr Ala Trp  
195 200 205

Leu Asp Phe Lys Ser Ala Met Ala Ala Thr Thr Phe Cys Gly Ser Arg  
210 215 220

Gly Val Leu Trp Ser Pro Ile His Glu Lys Asn Leu Cys Arg Pro Thr

225

230

235

240

Trp Asn Asp Val Ile Asn Thr Ser Ser Phe Phe Thr Asn Glu Ser Leu  
245 250 255

Cys Pro Asn Val Pro Gly Val Ser Glu Ile Val Ile Val Leu Asn Gly  
260 265 270

Asp Ala

<210> 52  
<211> 91  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 52

Met Thr Ala His Thr Asn Gly Val Leu Thr Thr Thr Gly Val Ser Thr  
1 5 10 15

Ser Gln Pro Glu Ser Phe Gln Ile Ser Pro Phe Phe Arg Val Ile Thr  
20 25 30

Lys Pro Pro Ile Met Gly Leu Phe Phe Cys Val Ala Met Cys Ile Ile  
35 40 45

Ala Leu Val Trp Tyr Val Met Arg Arg Val Tyr Cys Lys Gly Arg Val  
50 55 60

Val Ala Asp Ser Cys Arg Asp Pro Arg Arg Pro Ala Tyr Glu Met Leu  
65 70 75 80

Asn Val Arg Leu Arg Pro His Gly Thr Asn Pro  
85 90

<210> 53  
<211> 348  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 53

Met Leu Gln Lys Asp Ala Lys Leu Ile Phe Ile Ser Ser Ser Asn Ser  
1 5 10 15

Ser Asp Lys Ser Thr Ser Phe Leu Leu Asn Leu Lys Asp Ala His Glu  
20 25 30

Lys Met Leu Asn Val Val Ser Tyr Val Cys Pro Asp His Lys Asp Asp  
35 40 45

Phe Asn Leu Gln Asp Thr Val Val Ala Cys Pro Cys Tyr Arg Leu His  
50 55 60

Ile Pro Ala Tyr Ile Thr Ile Asp Glu Thr Val Arg Ser Thr Thr Asn  
65 70 75 80

Leu Phe Leu Asp Gly Ala Phe Ser Thr Glu Leu Met Gly Asp Ala Ala  
85 90 95

Thr Ser Ala Gln Ser Met His Lys Ile Val Ser Asp Ser Ser Leu Ser  
100 105 110

Gln Leu Asp Leu Cys Arg Val Glu Ser Thr Ser Gln Asp Ile Gln Gly  
115 120 125

Ala Met Lys Pro Phe Leu His Val Tyr Ile Asp Pro Ala Tyr Thr Asn  
130 135 140

Asn Thr Asp Ala Ser Gly Thr Gly Ile Gly Ala Val Ile Ala Val Asn  
145 150 155 160

His Lys Val Ile Lys Cys Ile Leu Leu Gly Val Glu His Phe Phe Leu  
165 170 175

Arg Asp Leu Thr Gly Thr Ala Ala Tyr Gln Ile Ala Ser Cys Ala Ala  
180 185 190

Ala Leu Ile Arg Ala Ile Val Thr Leu His Pro Gln Ile Leu His Val  
195 200 205

Asn Val Ala Val Glu Gly Asn Ser Ser Gln Asp Ala Gly Val Ala Ile  
210 215 220

Ala Thr Val Leu Asn Glu Ile Cys Ser Val Pro Leu Ser Phe Leu His  
225 230 235 240

His Ala Asp Lys Asn Thr Leu Ile Arg Ser Pro Ile Tyr Met Leu Gly  
245 250 255

Pro Glu Lys Ala Lys Ala Phe Glu Ser Phe Ile Tyr Ala Leu Asn Ser  
260 265 270

Gly Thr Phe Ser Ala Ser Gln Thr Val Val Ser His Thr Ile Lys Leu  
275 280 285

Ser Phe Asp Pro Val Ala Tyr Leu Ile Asp Gln Ile Lys Ala Ile Arg  
290 295 300

Cys Ile Pro Leu Lys Asp Gly Gly His Thr Tyr Cys Ala Lys Gln Lys  
305 310 315 320

Thr Met Ser Asp Asp Val Leu Val Ala Thr Val Met Ala His Tyr Met  
325 330 335

Ala Thr Asn Asp Lys Phe Val Phe Lys Ser Leu Glu  
340 345

<210> 54  
<211> 217  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 54

Met Ser Phe Leu Tyr His Asn Arg Cys Lys Glu Cys Gln Met Thr Arg  
1 5 10 15

Val Asn Ser Pro Ile Cys Gln Phe His Asn Val Ser Ser Leu Tyr Gln  
20 25 30

Cys Leu Asp Cys Lys Arg Tyr His Val Cys Asp Gly Gly Arg Asp Cys  
35 40 45

Val Ile Val Tyr Thr Arg Glu Asn Leu Val Cys Asp Leu Thr Gly Asn  
50 55 60

Cys Val Leu Asp Asn Val Gln Asp Val Cys Ser Tyr Gly Pro Pro Glu  
65 70 75 80

Arg Arg Ala Pro Asp Ala Phe Ile Asp Pro Leu Val Ser His Gly Thr  
85 90 95

Arg Glu Ser Leu Lys Ser Asp Ile Leu Arg Tyr Phe Glu Thr Val Gly  
100 105 110

Val Lys Ser Glu Ala Tyr Ser Thr Val Val Lys Asn Gly Gln Leu Asn  
115 120 125

Gly Ile Ile Gly Arg Leu Ile Asp Ala Thr Phe Asn Glu Cys Leu Pro  
130 135 140

Val Met Ser Asp Gly Glu Gly Arg Asp Leu Ala Ala Ser Ile Tyr  
145 150 155 160

Ile His Ile Ile Ser Ile Tyr Ser Thr Lys Thr Val Tyr Asp Asn  
165 170 175

Leu Leu Phe Lys Cys Thr Arg Asn Lys Lys Tyr Asp His Ile Val Lys  
180 185 190

Thr Ile Arg Ala Gln Trp Met Arg Met Val Ser Thr Gly Asp Pro Ser  
195 200 205

Arg Val Asn Ala Thr Gly Cys Phe Thr  
210 215

<210> 55  
<211> 119  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 55

Met Leu Ala Ala Arg Ser Leu Pro Pro Ser Pro Ser Leu Ile Thr Gly  
1 5 10 15

Arg His Ser Leu Asn Val Ala Ser Ile Asn Leu Pro Met Met Pro Phe  
20 25 30

Ser Cys Pro Phe Leu Thr Thr Val Glu Tyr Ala Ser Asp Phe Thr Pro  
35 40 45

Thr Val Ser Lys Tyr Leu Asn Ile Ser Leu Leu Arg Leu Ser Leu Val  
50 55 60

Pro Cys Asp Thr Arg Gly Ser Met Asn Ala Ser Gly Ala Arg Arg Ser  
65 70 75 80

Gly Gly Pro Tyr Glu His Thr Ser Cys Thr Leu Ser Lys Thr Gln Phe  
85 90 95

Pro Val Lys Ser His Thr Arg Phe Ser Arg Val Tyr Thr Met Thr Gln  
100 105 110

Ser Arg Pro Pro Ser His Thr

<210> 56  
<211> 461  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 56

Met Asp Ala His Gly Leu Asn Arg Arg Ser Val Ala Gly Gln Cys Asp  
1 5 10 15

Gly Leu Phe His Val Ile Leu Pro Arg Gly Phe Ile Leu Ala Asn Asn  
20 25 30

Ile Thr Cys Gly Gly Arg Gln Arg Phe Phe Ala His Thr Arg Phe Ala  
35 40 45

Ala Ser Glu Arg Thr Ser Lys Thr Leu Tyr Val Trp Gly Arg Val Phe  
50 55 60

Gln Asn Thr Asp Pro Gly Ser Gly Asp Gly Pro Ser Gly Pro Trp Ser  
65 70 75 80

Gly Leu Ala Ile Ser Leu Pro Leu Phe Thr Thr Asn Gly Lys Phe His  
85 90 95

Pro Phe Asp Val Val Ile Leu Arg Ala Glu Thr Pro Gly Ser Gly Ser  
100 105 110

Ser Trp Thr Val Lys Phe Leu Tyr Met Ser Leu Ile Ala Ala Tyr Arg  
115 120 125

Asn Ala Met Arg Gly Leu Lys Asp Lys Val Ser Gln Ser Thr Asp Ala  
130 135 140

Ala Val Asp Gly Glu Val His Pro Leu Thr Val Leu Lys Glu Ala Leu  
145 150 155 160

Val Ser Pro Asp Thr Ala Thr Arg Pro Val Ser Ala Cys Asn Pro Leu  
165 170 175

Gln Met Leu Thr Gly Leu Leu Gln Ser Arg Val Arg Asp Asp Tyr Val  
180 185 190

Thr His His Arg Ala Leu Glu Arg Pro Gly Asn Val Arg Gly Gln Val  
195 200 205

Ser Ala Pro Thr Arg Thr Glu Met Pro Asn Gly Ser Pro Ser Arg Val  
210                            215                            220

Arg Leu Gly Phe Arg Pro Pro Lys Gln Ala Asn Tyr Pro Lys Thr Trp  
225                            230                            235                            240

Ala Gln Ala Arg His Val Phe Ser Ser Arg Thr Tyr Tyr Val Cys Val  
245                            250                            255

Tyr Asp Asn Glu Glu Leu Asp Thr Lys Trp Gln Arg Gln Asp Pro Arg  
260                            265                            270

Pro Leu Ser Leu Asp Trp Ser Asp Pro Val Ala Tyr Leu Leu Glu Gly  
275                            280                            285

Asp Leu Phe Leu Gly Ala Lys Gln Asn Ala Phe Val Asp Ser Leu Glu  
290                            295                            300

Lys Thr Cys Arg Cys Gln Asn Tyr Thr Ile Lys Gln Phe Phe Pro Val  
305                            310                            315                            320

Ser Ile Asn Arg Asp Asn Asp Thr Val Asp Leu Ile Lys Glu His Phe  
325                            330                            335

Ile Glu Ala Cys Leu Val Ile Arg Asn Gln Ala Ser Glu Arg Ser Ala  
340                            345                            350

Trp Val Lys Ala Ala Leu Phe Arg Asn Asp Ser Asn Thr Tyr Trp Lys  
355                            360                            365

Asp Val Leu Gly Leu Trp Glu His Gly Pro His Lys Leu Gly Thr Ala  
370                            375                            380

Ile Lys Arg Pro Thr Ser Glu Pro Cys Asn Ala Asp Ile Asp Trp Ser  
385                            390                            395                            400

Trp Leu Leu Cys Asp Ala Asp Ile Thr Arg Ser Ile Asn Gly Gln Ser  
405                            410                            415

Thr Val Cys Leu Val Val Ser Pro Ala Leu Ile Ala Trp Leu Val Leu  
420                            425                            430

Pro Gly Gly Phe Val Ile Lys Gly Arg Tyr Asp Leu Ser Ser Glu Asp  
435                            440                            445

Leu Met Phe Val Ala Ser Arg Tyr Gly His Pro Ala Ala  
450                          455                          460

<210> 57  
<211> 336  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 57

Met Ala Thr Gln Arg Arg Asp Ile Leu Lys Ser Phe Leu Asn Lys Glu  
1                                5                                10                        15

Cys Ile Trp Leu Arg His Pro Gly Thr Ser Ala Phe Val Arg Val Tyr  
20                                25                                30

Thr Ala Thr Thr Ala His Ser Ala Val Phe Asp Pro Pro Val Thr Ser  
35                                40                                45

Glu Asp Ala Met Ser His Asn Cys Leu Asn Val Met Ile Met Leu Met  
50                                55                                60

Lys Pro Lys Glu Phe Gly Pro Cys Val Thr Val Tyr Ile Asn Gly Asp  
65                                70                                75                                80

Ile Leu Asp Phe Cys Ala Thr Glu Tyr Val Ala Ile Arg Glu Val Pro  
85                                90                                95

Gly Arg Ala Asp Leu Cys Leu Ile Arg Phe Gly Thr Leu Ser Asn Ala  
100                                105                                110

Pro Arg Ser Val Pro Ile Pro Gly Pro Leu Asn Pro His Pro Arg Glu  
115                                120                                125

Asn Val Pro Gly Leu Thr Lys Gln Glu Ile Ile Tyr Thr Ser Gln Thr  
130                                135                                140

Val Pro Arg Ala Gln Ile Gln Asp Ala Ile Lys Gly Lys Ala Phe Lys  
145                                150                                160

Gln Ile Asn Pro Phe Val Trp Phe Asp Gly Gly Ala Phe Trp Gln Leu  
165                                170                                175

Phe Leu Ser Val Asp Tyr Met Leu Leu Cys Pro Ala Leu Glu Ile Val  
180                                185                                190

Pro Ser Leu Ala Arg Ile Val Gly Leu Leu Thr Gln Cys Asp Lys Ser  
195 200 205

Thr Cys Lys Ile Cys Thr Leu Ala His Val His Val Asn Ala Tyr Arg  
210 215 220

Gly Tyr Thr Pro Pro Asp Ser Gln Gly Thr Ser Pro Ser Cys Pro Cys  
225 230 235 240

Leu Ile Ser Cys Gly Ala Arg His Ala Thr Asp Val Leu Val Thr Gly  
245 250 255

His Val Asn Leu Leu Gly Leu Leu Phe Asp Pro Lys Val Leu Pro Lys  
260 265 270

Val Ser Arg Leu Arg Leu Lys Arg Asn Pro His Pro Val Pro Ile Glu  
275 280 285

Asp Ala Met Ser Gly Val Thr Ala Glu Gly Thr Glu Val Leu Pro Thr  
290 295 300

Ser Gln Pro Trp Ala Leu Ile Arg Leu Pro Asp Leu Ala Ser Arg Val  
305 310 315 320

Met Leu Tyr Gly Cys Gln Asn Leu Lys Thr Ile Cys Leu Arg Ser Tyr  
325 330 335

<210> 58  
<211> 122  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 58

Met Ala Ser Cys Ile Cys Ala Leu Gly Thr Val Trp Glu Val Tyr Ile  
1 5 10 15

Ile Ser Cys Phe Val Ser Pro Gly Thr Phe Ser Arg Gly Cys Gly Phe  
20 25 30

Asn Gly Pro Gly Ile Gly Thr Leu Leu Gly Ala Leu Glu Arg Val Pro  
35 40 45

Lys Arg Ile Lys His Arg Ser Ala Leu Pro Gly Thr Ser Leu Met Ala  
50 55 60

Thr Tyr Ser Val Ala Gln Lys Ser Arg Ile Ser Pro Phe Met Tyr Thr  
65 70 75 80

Val Thr His Gly Pro Asn Ser Phe Gly Phe Met Ser Ile Ile Met Thr  
85 90 95

Phe Lys Gln Leu Cys Asp Ile Ala Ser Ser Leu Val Thr Gly Gly Ser  
100 105 110

Lys Thr Ala Glu Cys Ala Val Val Ala Val  
115 120

<210> 59  
<211> 129  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 59

Met Arg Ala His Gly Cys Glu Val Gly Ser Thr Ser Val Pro Ser Ala  
1 5 10 15

Val Thr Pro Asp Met Ala Ser Ser Ile Gly Thr Gly Trp Gly Phe Leu  
20 25 30

Phe Lys Arg Ser Leu Asp Thr Leu Gly Ser Thr Phe Gly Ser Lys Ser  
35 40 45

Arg Pro Lys Arg Phe Thr Cys Pro Val Thr Arg Thr Ser Val Ala Cys  
50 55 60

Leu Ala Pro His Glu Ile Arg Gln Gly His Glu Gly Glu Val Pro Cys  
65 70 75 80

Glu Ser Gly Gly Val Tyr Pro Arg Tyr Ala Leu Thr Cys Thr Trp Ala  
85 90 95

Ser Val His Ile Leu His Val Leu Leu Ser His Cys Val Arg Arg Pro  
100 105 110

Thr Ile Leu Ala Arg Asp Gly Thr Ile Ser Arg Ala Gly Gln Ser Ser  
115 120 125

Ile

<210> 60

<211> 327

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 60

Met Leu Leu Thr Ser Tyr Arg Glu Arg Leu Gln Asn Asn Leu Arg Ala  
1 5 10 15

Val Thr Asp Gly Gly Cys Glu Asn Trp Phe Arg Gln Pro Pro Val Ile  
20 25 30

Ile Ser Gly Asn Asp Lys Thr Glu Arg Met Ala His Pro Cys Leu Gly  
35 40 45

Val Ile His Ala Val Asn Ala Tyr Ser Ser Val Leu Asp Asp Tyr Leu  
50 55 60

Gln Thr Tyr Arg Arg Leu Gln Glu Pro Met Pro Pro Pro Thr Leu Gly  
65 70 75 80

Lys Pro Arg Ile Ser Ser His Ala Thr Leu Pro Arg Leu Thr Glu Glu  
85 90 95

Leu Thr Asn Tyr Leu Arg Gln Thr Cys Cys Arg Val Arg Met Ala Asp  
100 105 110

Ala Lys Asp Gln His Met Glu Tyr Gln Ser Ala Gln Arg Thr His Glu  
115 120 125

Ala Phe Leu Glu Cys Pro Val Tyr Ala Glu Leu Arg Gln Phe Leu Ala  
130 135 140

Asn Leu Ser Ser Phe Leu Asn Gly Ser Tyr Val Pro Gly Val Cys Cys  
145 150 155 160

Leu Glu Pro Phe Gln Gln Leu Ile Met His Thr Phe Tyr Phe Ile  
165 170 175

Ala Ser Ile Lys Ala Pro Glu Lys Thr His Gln Leu Phe Ala Thr Phe  
180 185 190

Lys Gln His Phe Gly Leu Phe Glu Thr Thr Asp Asp Val Leu Gln Thr  
195 200 205

Phe Lys Gln Lys Ala Ser Val Phe Val Ile Pro Arg Arg His Gly Lys  
210 215 220

Thr Trp Ile Val Val Ala Ile Ile Ser Val Leu Leu Ser Ser Val Glu  
225                    230                    235                    240

Asn Val His Val Gly Tyr Val Ala His Gln Lys His Val Ala Asn Ala  
245                    250                    255

Val Phe Ser Glu Val Ile Ala Thr Leu Ser Arg Trp Phe Pro Ala Lys  
260                    265                    270

Asn Leu Asn Ile Lys Lys Glu Asn Gly Thr Ile Val Tyr Ala Ser Pro  
275                    280                    285

Gly Arg Arg Pro Ser Ser Leu Met Cys Ala Thr Cys Phe Asn Lys Asn  
290                    295                    300

Val Ser Arg Leu Phe Leu Asn Ser Gly Ser Arg Ile Ala Leu His Asp  
305                    310                    315                    320

Trp Leu Asn Pro Ala Gly Glu  
325

<210> 61  
<211> 88  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 61

Met Leu Ser Gly Pro Asn Gly Arg Arg Gln Gly Pro Ala His Gly Ile  
1                    5                    10                    15

Pro Ile Gly Pro Thr Asp Pro Arg Ser Phe Pro Arg Val Ser Cys Leu  
20                    25                    30

Cys Arg Thr Ala Ala Ile Phe Ser Gln Pro Val Val Ile Phe Lys Trp  
35                    40                    45

Glu Leu Arg Ala Arg Gly Leu Leu Pro Arg Ala Leu Ser Ala Thr Val  
50                    55                    60

Asn His Ala His Val Leu Phe Tyr Arg Val Tyr Gln Ser Thr Arg Lys  
65                    70                    75                    80

Asp Thr Pro Val Ile Cys His Val  
85

<210> 62  
<211> 328  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 62

Met Phe Pro Ser Ser Phe Leu Asn Asn Glu Asn Pro Glu Thr Gly Arg  
1 5 10 15

Arg Phe Val Lys Gly Val Gln Leu Ala Leu Asp Leu Cys Asp Asn Thr  
20 25 30

Pro Gly Gln Phe Lys Leu Val Glu Thr Pro Leu Asn Ser Phe Leu Leu  
35 40 45

Val Ser Asn Val Leu Pro Glu Ser Arg Pro Val Arg Asp Cys Pro Gln  
50 55 60

Ala Glu Gly Phe Asp Phe Glu His Ile His Leu Pro Lys Leu Thr Arg  
65 70 75 80

Met Gln Arg Val Leu Gly Arg Tyr Cys Asp His Val Asn Asn Asp Asp  
85 90 95

Asp Met Cys Val Asn Val Lys Ala Arg Ser Ser Asn Ala Gln Gly Ala  
100 105 110

Leu Phe Tyr Leu Pro Tyr Gly Gln Asp Glu Trp Asn Trp Ala Leu Thr  
115 120 125

Leu Arg Lys Asp Lys Leu Val Lys Met Ala Val Glu Gly Leu Ser Asp  
130 135 140

Pro Thr Thr Trp Lys Gly Leu Glu Pro Val Asp Pro Leu Pro Leu Ile  
145 150 155 160

Trp Leu Leu Phe Tyr Gly Pro Arg Ser Phe Cys Arg Glu Pro Glu Cys  
165 170 175

Leu Tyr Glu Arg Asn Phe Gly Met Lys Gly Pro Ile Leu Leu Pro Pro  
180 185 190

His Met Tyr Ala Pro Arg Lys Asp Val Met Thr Phe Val His His Val  
195 200 205

Ile Lys Tyr Val Lys Phe Leu Tyr Val Asn Ala Gly Gly Gly Leu Glu  
210 215 220

Thr Glu Leu Ser Pro Pro Phe Glu Ala Ser Arg Leu Arg Ser Ala Ile  
225 230 235 240

Ala Arg Leu Gly Asp Val Glu Ala Asp Asp Ala Tyr Leu Ser Ala Lys  
245 250 255

Cys Met Leu Cys His Leu Tyr Lys Gln Asn Asp Thr Ile Ser Ile His  
260 265 270

Glu Thr His Val Gly Gly Val Ile Ala Leu Gly Gly Asp Gly Ala Arg  
275 280 285

Tyr Ile Thr Ser Ser Val Arg Thr Gln Arg Cys Thr Ser Arg Gly Asp  
290 295 300

Phe Val Leu Ile Pro Leu Tyr Asn Ile Glu Gly Leu Val Ser Met Ile  
305 310 315 320

Arg Glu His Gly Leu Ser Asn Ser  
325

<210> 63  
<211> 148  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 63

Met Trp Ser Phe Gly Asp Ser Ser Ser Thr Gly Thr Asp Ser Ser Leu  
1 5 10 15

Ser Val Pro Arg Ile Ser Ser Ser Pro Tyr Ser Ser Ser Leu Arg Ser  
20 25 30

Arg Thr Ala Ser Val Thr Ala Ser Asn Ser Ser Ile Phe Phe Leu Leu  
35 40 45

Asn Pro Phe Ser Asn Pro Asn Ser Leu Cys Phe Ser Arg Ser Asp Val  
50 55 60

Ser Ser Val Pro Thr Thr Val Ala Arg Leu Ser Phe Phe Phe Arg Leu  
65 70 75 80

Ser Tyr Asp Arg Ser Asp Ser Leu Val Pro Leu Tyr Cys Ala Leu Asn

85

90

95

Thr Ala Leu Ser Ala Pro Asn Leu Ser Lys Thr Glu Met Asp Ser Phe  
100 105 110

Leu Leu Ile Ser Asp Ser Ser Ser Asp Leu Ile Asn Asn Phe Leu Ala  
115 120 125

Val Ala Glu Ala Met Phe Pro Tyr His Ala Tyr Glu Pro Phe Asn Val  
130 135 140

Val Gln Arg Asp  
145

<210> 64  
<211> 149  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 64

Met Ala Ser Ala Thr Ala Lys Lys Leu Leu Ile Lys Ser Glu Leu Glu  
1 5 10 15

Ser Glu Ile Asn Lys Lys Leu Ser Ile Ser Val Phe Asp Arg Phe Gly  
20 25 30

Ala Asp Ser Ala Val Phe Asn Ala Gln Tyr Lys Gly Thr Arg Glu Ser  
35 40 45

Leu Arg Ser Tyr Asp Ser Leu Lys Lys Asp Asn Leu Ala Thr Val  
50 55 60

Val Gly Thr Leu Glu Thr Ser Leu Arg Glu Lys Gln Ser Glu Leu Gly  
65 70 75 80

Leu Leu Lys Gly Phe Asn Arg Lys Lys Ile Glu Glu Phe Asp Ala Val  
85 90 95

Thr Asp Ala Val Arg Asp Leu Lys Asp Glu Leu Tyr Gly Glu Leu Glu  
100 105 110

Ile Leu Gly Thr Leu Asn Asp Glu Ser Val Pro Val Glu Glu Ser  
115 120 125

Pro Lys Asp His Ile Ile Arg Trp Lys Leu Glu Arg Leu Pro Arg Val  
130 135 140

Cys Pro Lys Ser Pro  
145

<210> 65  
<211> 435  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 65

Met Asn Leu Phe Pro Trp Lys Lys Ser Pro Gln Arg Thr Thr Leu Leu  
1 5 10 15

Asp Gly Asn Trp Ser Val Cys Gln Glu Cys Ala Pro Lys Ala Leu Asp  
20 25 30

Pro Ile Pro Lys Val Gln Thr Asp Leu Asp Arg Thr Ala Leu Ser His  
35 40 45

Ile Thr Val Ile Arg Thr Arg Lys Thr Leu Ala Gln Leu Lys Ile Pro  
50 55 60

Asn Thr Trp Ser Gln Cys Ser His Gln Ala Thr Asp Trp Thr Ala Val  
65 70 75 80

Leu Gly Arg Gly Ser Tyr Gly Val Val Arg Ser Met Ser Leu Gly Arg  
85 90 95

Cys Val Lys His Phe Gly Ser Arg Arg Glu Phe Phe Tyr Glu Cys Ile  
100 105 110

Phe Asn Asp Ile Val Arg Ala Arg Arg Glu Lys His Pro Leu Asn Arg  
115 120 125

Gly Gly Asp Arg Ile Leu Cys Phe Leu Glu Pro Cys Val Pro Cys Arg  
130 135 140

Ala Leu Ile Phe Pro Gln Leu Thr Gly Asn Leu Leu Asn Ala Asp Phe  
145 150 155 160

Lys His Val Asn Pro Glu Arg Leu Ala Val Glu Phe Ser Glu Leu Arg  
165 170 175

Glu Gly Val Ser Phe Leu Asn Asn Ile Cys Gly Ile Val His Cys Asp  
180 185 190

Ile Ser Pro Glu Asn Ile Leu Ile Lys Gly Glu Leu Thr Thr Ala Tyr  
195 200 205

Trp Arg Leu Met Ile Gly Asp Leu Gly Ser Ala Ser Leu His Thr Gly  
210 215 220

Thr Pro Trp Thr Gly Val Met Val Thr Ser Lys Leu Gly Phe Val Gln  
225 230 235 240

His Thr Tyr His Phe Lys Ala Pro Ala Arg Phe Ile Cys Lys His Met  
245 250 255

Tyr Arg Pro Ser Cys Leu Leu Tyr Arg Cys Leu Leu Ser Cys Ala Gly  
260 265 270

Gly Pro Gln Ala Arg Met Leu Asp Gln Pro Phe Gln Ile Thr Pro Gln  
275 280 285

Leu Gly Leu Thr Ile Asp Met Ser Ser Leu Gly Tyr Ser Leu Leu Ala  
290 295 300

Cys Leu Glu Lys Tyr Leu Gln Pro Ala Asp Pro Phe Pro Gln Gln Gly  
305 310 315 320

Ala Leu Ala Asp Ala Ser Ser Glu Ser Ala His Pro Leu Phe Tyr Leu  
325 330 335

Arg Cys Met Val Pro Arg Val Val Ile Ala Glu Ile Phe Ser Val Ala  
340 345 350

Trp Asp Val Pro Leu Asp Leu Gly Ile Asp Ser Ser Gly His Ala Pro  
355 360 365

Ala Ile Pro Leu Arg Glu Ala Tyr Arg Arg Phe Phe Ala Asn Gln Cys  
370 375 380

Ser Leu Tyr Arg Ala Gln Tyr Lys Glu Asp Ala Leu Glu Asn Ala Ser  
385 390 395 400

Ser Arg Leu Cys Asn Ser Lys Leu Lys Leu Val Leu Gln Lys Leu Leu  
405 410 415

Val Arg Asp Tyr Phe Ser His Cys Gly Asn Cys Gly Asp His Gly Phe  
420 425 430

Phe Leu Arg  
435

<210> 66  
<211> 480  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 66

Met Asp Phe Phe Ser Asp Glu Pro Met Val Gln Glu Met Ala Leu Leu  
1 5 10 15

Asp Ile Asp Glu Gln Gln Arg His Leu Ser Lys Met Ser Leu Ala Asn  
20 25 30

Phe Leu Lys His Glu Arg Val Arg Ala Phe Phe Asn Asp Asn Lys Lys  
35 40 45

Lys Ile Ser Met Pro Ala Ile Arg Phe Val Tyr Asn Phe Tyr Leu Phe  
50 55 60

Ala Lys Val Gly Asp Phe Ile Gly Asn Thr Glu Val Tyr Asp Phe Tyr  
65 70 75 80

Val Ser Cys Val Phe Arg Gly Arg Arg Leu Thr Leu Leu Ser Asp Val  
85 90 95

Tyr Asp Ala Cys Leu Asn Met His Pro His Asp Arg His His Val Cys  
100 105 110

Ala Leu Ile Glu Gln Val Thr Arg Gly Gln Asn Ile Asn Pro Leu Trp  
115 120 125

Asp Ala Leu Arg Asp Gly Ile Ile Ser Ser Ser Lys Phe His Trp Ala  
130 135 140

Ile Lys Gln Gln Asn Ser Ser Lys Lys Ile Phe Asn Pro Trp Pro Ile  
145 150 155 160

Val Asn Asn His Phe Ile Ala Gly Pro Leu Ala Phe Gly Leu Arg Cys  
165 170 175

Glu Asp Val Val Lys Lys Ile Leu Ala Thr Leu Leu His Pro Gly Glu  
180 185 190

Ala His Cys Glu Asn Tyr Gly Phe Met Gln Ser Pro His Asn Gly Val  
195 200 205

Phe Gly Val Ser Leu Asp Phe Gly Ile Asn Val Lys Ser Asn Pro Lys  
210 215 220

Asp Gly Leu Glu Phe His Pro Asp Cys Lys Ile Tyr Glu Ile Lys Cys  
225 230 235 240

Arg Phe Lys Tyr Thr Phe Ser Lys Met Glu Cys Asp Pro Ile Tyr Ala  
245 250 255

Ala Tyr Ala Lys Leu Tyr Gln Lys Pro Ser Met Gln Thr Leu Lys Gly  
260 265 270

Phe Leu Tyr Ser Ile Ser Lys Pro Ala Ile Glu Phe Val Gly Glu Asp  
275 280 285

Lys Leu Pro Ser Glu Ala Asp Tyr Leu Val Ala Tyr Asp Lys Glu Trp  
290 295 300

Glu Val Cys Pro Arg Lys Lys Arg Arg Leu Thr Ala Val His His Leu  
305 310 315 320

Val Lys Lys Cys Met Ile His Asn Ser Thr Ala Pro Ser Asp Val Tyr  
325 330 335

Ile Leu Ser Asp Pro Gln Glu Thr Gly Gly Gln Ile Asn Ile Lys Ala  
340 345 350

His Leu Ser Ala Asn Leu Phe Ile Asn Val Arg His Pro Tyr Tyr Tyr  
355 360 365

Gln Val Leu Leu Gln Ser Leu Val Val Gln Glu Tyr Ile Ser Leu Ser  
370 375 380

Lys Gly Thr Lys Asn Leu Gly Thr Gln Lys Asn Phe Ile Ala Thr Gly  
385 390 395 400

Phe Phe Arg Lys Arg Gln Phe Gln Asp Pro Ser Asn Cys Thr Ile Gly  
405 410 415

Glu Phe Ala Pro Leu Asp Pro His Val Glu Ile Pro Thr Leu Leu Ile  
420 425 430

Val Thr Pro Val Tyr Phe Pro Ser Val Ala Lys His Gln Leu Val Lys  
435 440 445

Gln Ala Thr Glu Phe Trp Ala Ala Ser Ala Ser Glu Ala Phe Pro Glu  
450 455 460

Leu Pro Trp Asp Leu Ser Ser Leu Cys Ala Asn Ala Pro Pro Thr Pro  
465 470 475 480

<210> 67  
<211> 378  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 67

Met Lys Ile Ser Arg Ser Asp Ser Phe Ile Leu Ser Ser Trp Val Lys  
1 5 10 15

Leu Leu Val Ile Leu Gly Leu Met Phe Ile Met Ser Ala Val Val Pro  
20 25 30

Leu Thr Ala Thr Phe Pro Gly Leu Gly Phe Pro Cys Tyr Phe Asn Thr  
35 40 45

Leu Val Asn Tyr Ser Ala Leu Asn Leu Thr Val Arg Ser Ser Ala Lys  
50 55 60

His Leu Thr Pro Thr Leu Phe Leu Glu Ala Pro Glu Met Phe Val Tyr  
65 70 75 80

Ile Ser Trp Ala Phe Leu Val Asp Gly Tyr Leu Leu Cys Tyr Tyr Ala  
85 90 95

Trp Ala Ile Leu Ala Ile Phe Lys Ala Lys Arg Val His Ala Thr Thr  
100 105 110

Met Thr Ser Leu Gln Thr Trp Ile Val Leu Ile Gly Ser His Ser Val  
115 120 125

Val Phe Met Ser Ile Leu Arg Leu Trp Thr Ile Gln Leu Phe Ile His  
130 135 140

Val Leu Ser Tyr Lys His Ile Leu Leu Ala Ser Phe Val Tyr Cys Ile  
145 150 155 160

His Phe Cys Leu Ser Phe Thr His Val Gln Ala Met Ile Ser Cys Asn

165

170

175

Ser Ala Thr Trp Ser Leu Arg Val Leu Glu Gln Gln Ile Pro Glu Asn  
180 185 190

Ser Leu Leu Asp Thr Leu Leu Arg Tyr Gly Lys Pro Ile Gly Ala Asn  
195 200 205

Leu Tyr Leu Ser Leu Ile Ala Met Glu Met Leu Val Phe Ser Leu Gly  
210 215 220

Thr Met Met Ala Ile Gly Asn Ser Phe Tyr Met Leu Val Ser Asp Ile  
225 230 235 240

Val Phe Gly Ser Ile Asn Leu Phe Phe Val Leu Thr Val Ala Trp Tyr  
245 250 255

Ile Asn Thr Glu Leu Phe Leu Val Lys Tyr Leu Lys His Gln Ile Gly  
260 265 270

Phe Tyr Val Gly Val Phe Val Ser Tyr Leu Ile Leu Leu Leu Pro Val  
275 280 285

Val Arg Tyr Asp Lys Val Phe Ile Ser Ala Ser Leu His Lys Val Ile  
290 295 300

Ala Val Asn Ile Ser Met Ile Pro Ile Thr Cys Ile Leu Ala Ile Ile  
305 310 315 320

Leu Arg Ile Ile Arg Asn Asp Trp Lys Trp Cys Ala Lys Ala Pro Glu  
325 330 335

Tyr Ala Pro Leu Pro Gln Gly Ser Lys Glu Lys Thr Thr Lys Val Lys  
340 345 350

Tyr Ser Pro Glu Leu Asn Ala Leu Tyr Glu Thr Glu Glu Asp Val Ser  
355 360 365

Asp Asp Glu Asp Ala Tyr Pro Lys Tyr Ile  
370 375

<210> 68  
<211> 104  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 68

Met Tyr Thr Val Tyr Lys Arg Gly Gln Lys Tyr Met Phe Val Arg Gln  
1 5 10 15

His Val Asn Lys Gln Leu Asn Gly Pro Gln Pro Gln Asn Arg His Lys  
20 25 30

Asn Tyr Ala Val Arg Thr Tyr Glu His Asp Pro Gly Leu Glu Ala Gly  
35 40 45

His Cys Arg Arg Val His Ala Leu Gly Leu Glu Tyr Gly Gln Asp Gly  
50 55 60

Pro Arg Val Val Thr Gln Gln Ile Ser Val His Gln Lys Arg Pro Arg  
65 70 75 80

Asp Val Asn Lys His Phe Trp Cys Phe Gln Lys Gln Arg Arg Arg Gln  
85 90 95

Val Phe Ser Arg Thr Ser Asp Arg  
100

<210> 69

<211> 667

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 69

Met Asn Ala Arg Glu Val Ala Leu Thr Gly His Val Leu His Ile Ser  
1 5 10 15

Leu His Ser Thr His Glu Arg Glu Lys Leu Ile Ile Trp Gln Val His  
20 25 30

Leu Leu Val Cys Gln Gln Cys Gly Ile Gln Gly Asp Ala Ala Tyr Leu  
35 40 45

Phe Val Thr Glu Thr Leu Ser Asn Thr Asp Trp Gly Asn Ile Pro Ala  
50 55 60

Ile Asn Arg His Ala Pro Ser Met Asn Glu His Gly Arg Asn Tyr Met  
65 70 75 80

Gln Trp Glu Leu Arg Thr Arg Leu Arg Asn Pro Ile Ile Gln Ser Leu  
85 90 95

Ser Arg Gln Pro Gly Ala Val Asn Val Arg Val Ser Glu Pro Asn Met  
100 105 110

Val Ile Val Ser Cys Glu Arg Ala Leu His His Ser Cys Ser Val Arg  
115 120 125

Val Thr Gly Ala Tyr Leu His Cys Asn Thr Thr Met Asp Phe Arg Leu  
130 135 140

Asp Ser Asn Val Ser Pro Thr Arg Glu Phe Trp Phe Ser Glu Met Phe  
145 150 155 160

Ser Lys Cys Leu Val Ser Asn Ile Glu Val Tyr Leu Lys Thr Thr Gly  
165 170 175

Gly Leu Tyr Tyr Arg Ala Ser Ser Ala Thr Gln Cys Arg Lys Arg Ala  
180 185 190

Lys Asp Gly Ala Leu Gly Ile Leu Asp Ile Phe Asn Cys Glu Ser Arg  
195 200 205

Glu Ile Gln Val Ala Gly Gln Lys Tyr Asn Leu Ser Ile Ala Thr Ala  
210 215 220

Thr Phe His Val Leu Trp Val Asp Glu Ala Cys Met Trp Asn Gly Ala  
225 230 235 240

Leu Ala Glu Phe Phe Arg Ala Leu His Asn Lys Leu Phe Gly Asp Arg  
245 250 255

Glu Gly Val Ala Pro Thr Leu Thr Tyr Val Cys Pro Gly Ala Thr Pro  
260 265 270

Glu Gly Thr Pro Phe Pro Pro Tyr Phe Ser Ala Phe Pro His Leu Leu  
275 280 285

Leu Val Phe Gly Arg Pro Arg Arg Leu Asp Val Thr Ala Val Gln Glu  
290 295 300

Leu Pro Lys Ala Gln Ile Ala Val His Trp Pro Pro Phe Lys Asn Ser  
305 310 315 320

Ile Leu Gly Asp Gln Leu Leu Ile Pro Gly Ile Ser Pro Lys Lys Pro  
325 330 335

Gly Thr Val Pro Val Arg Trp Pro Leu Trp Val Gln Asp Val Asn Leu  
340 345 350

Ser Leu Cys Glu Thr Thr Glu Ser Val Ala Arg Ile Val Asp Pro His  
355 360 365

Ser Ile Val Ile Ile Lys Ile Ser Thr Leu Leu Cys Gln His Leu Lys  
370 375 380

Cys His Arg Ala Phe Val Lys Asn Glu Leu Glu Tyr Ile Ala Thr Ile  
385 390 395 400

Cys Ser Ser Asp Leu Arg Leu Phe Ile Gln Glu Glu Tyr Asn Arg Leu  
405 410 415

Leu Ala Thr Ile Phe Thr Trp Ala Ala Ala Ser Gly Tyr Thr Trp Ala  
420 425 430

Ala Ile Asp Lys Thr Thr Val Phe Ile Lys Ala Pro Gln Leu Ser Ala  
435 440 445

Ala Val Ser Gly Ser Cys Pro Ser Leu Asn Ser Cys Arg Arg Lys Gln  
450 455 460

Tyr Tyr Lys Gly Leu Lys Ile Thr Val His Phe Leu Ser Gln Glu Gln  
465 470 475 480

Gln Lys Val Val Thr Arg Leu Glu Ala Gln Leu Gly Leu Pro Val Gln  
485 490 495

Glu Thr Ser Arg Pro Pro Asp Trp Leu Lys Tyr Glu Val Cys Ser Ala  
500 505 510

Ser Val Phe Leu Lys Ile Pro Ala Gly Val Leu Tyr Ala Gly Leu Ala  
515 520 525

Lys Asp Pro Val Ser Glu Ala Lys Arg Asp Ser Trp Leu Asp Cys Leu  
530 535 540

Val Glu Gly Ala Thr Leu Ser Leu Asn Asn Ser Val Pro Pro Ile Gly  
545 550 555 560

Ala Leu Ala Gly Ile Leu Pro Thr Leu Phe Ala Lys Arg Arg Cys Val  
565 570 575

Asn Phe Trp Leu Leu Pro Arg Glu Trp Val Lys Ser Ala Pro Ile Cys  
580 585 590

Pro Pro Leu Pro Ile Asp Cys Val Thr Pro Gln Gln Phe Val Val Thr  
595 600 605

Lys Arg Gly Pro Ile Cys Trp Tyr Lys Glu Trp Pro Leu Pro Val Asp  
610 615 620

Val Asp Phe Met Tyr Tyr Leu Gln Glu Ala Leu Cys Val Phe Ser Val  
625 630 635 640

Val Ser Asn Gly Glu Gly Thr Glu Ser His Ala Asp Asp Ile Arg Gln  
645 650 655

Leu Glu Lys Phe Glu Lys Val Leu Cys Leu Phe  
660 665

<210> 70  
<211> 116  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 70

Met Asn Thr Val Val Leu Ser Met Ala Ala Gln Val Tyr Pro Leu Ala  
1 5 10 15

Ala Ala His Val Lys Ile Val Ala Ser Asn Arg Leu Tyr Ser Ser Trp  
20 25 30

Met Lys Arg Arg Arg Ser Leu Glu Gln Met Val Ala Met Tyr Ser Asn  
35 40 45

Ser Phe Leu Thr Asn Ala Arg Trp His Phe Arg Cys Trp His Asn Ser  
50 55 60

Val Glu Ile Phe Met Ile Thr Ile Glu Cys Gly Ser Thr Met Arg Ala  
65 70 75 80

Thr Leu Ser Val Val Ser Gln Arg Leu Lys Leu Thr Ser Cys Thr Gln  
85 90 95

Ser Gly Gln Arg Thr Gly Thr Val Pro Gly Phe Leu Gly Glu Met Pro  
100 105 110

Gly Met Arg Ser  
115

<210> 71  
<211> 271  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 71

Met Asp Gln Ile Leu Lys Arg Leu Met Gly Glu Gln His Arg Ser Glu  
1 5 10 15

Ala Ile Met Pro Glu Thr Glu Cys Ala Ser Arg Gly Pro Tyr Asn Tyr  
20 25 30

Pro Val Leu Pro Arg Leu Met Leu Glu Val His Lys Lys Asn Ser Ile  
35 40 45

Cys Met Ala Ser Asn Thr Pro Lys Leu Cys Val Arg Gly Arg Leu Asn  
50 55 60

Val Pro Asp Leu Gly Val His Val Arg Thr Arg Leu Gln Ser Ala Thr  
65 70 75 80

Phe Thr Gly Phe Val Phe Ala Cys Val Val Glu His Glu Asp Met Val  
85 90 95

Asn Thr Leu Asp Ile Tyr Pro His Val Phe Ser Asp Arg Val Gln Leu  
100 105 110

Phe Lys Pro Ala Ser Ala Ser Val Thr Glu Leu Cys Cys Ile Leu Ser  
115 120 125

Met Leu Glu Asn Tyr Asp Lys Pro Pro Leu Ser Phe Ile Leu Ser Ala  
130 135 140

Leu Asp Arg Ala Arg Tyr Leu His Glu Arg Tyr Thr Cys Asn Asp Ser  
145 150 155 160

Ala Phe Ile Leu Tyr Gly Ile Glu Val Ile Ala Ser Thr Leu Ala Ala  
165 170 175

Tyr His Glu Leu Asn Pro Pro Gln Gly Val Leu Arg Val Pro Pro Leu  
180 185 190

Val Arg Phe Lys Leu His Lys Leu Leu Asp Glu Asn Ala Asp Asp Met

195

200

205

Lys Gly Leu Leu Lys Pro Ile Tyr Leu Glu Ser Phe Arg Leu Thr Glu  
210 215 220

Asn Val Glu Glu Asp Ser His Gly Glu Thr Phe Asn Ile Phe Tyr Cys  
225 230 235 240

Gly Thr Ile Phe Thr Arg His Leu His Asn Ala Ser Val Leu Lys Tyr  
245 250 255

Phe Gln Ile Thr Ser Leu His Ser Leu Pro Arg Gln Thr Leu Phe  
260 265 270

<210> 72

<211> 82

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 72

Met Gly Phe Ser Lys Pro Phe Met Ser Ser Ala Phe Ser Ser Asn Ser  
1 5 10 15

Leu Trp Ser Leu Asn Arg Thr Arg Gly Gly Thr Arg Lys Thr Pro Trp  
20 25 30

Gly Gly Phe Asn Ser Trp Tyr Ala Ala Lys Val Asp Ala Ile Thr Ser  
35 40 45

Ile Pro Tyr Asn Ile Asn Ala Glu Ser Leu His Val Tyr Leu Ser Cys  
50 55 60

Arg Tyr Leu Ala Arg Ser Ser Ala Asp Arg Ile Asn Asp Arg Gly Gly  
65 70 75 80

Leu Ser

<210> 73

<211> 581

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 73

Met Phe Lys Met Asn Pro Gly Leu Gly Ser Thr Cys Leu Val His Pro  
1 5 10 15

Thr Glu Leu Ser Ile Ser Leu Phe Glu Ile Leu Gln Gly Lys Tyr Ala  
20 25 30

Tyr Val Arg Gly Gln Thr Leu His Ser Ser Leu Arg Asn Pro Gly Ile  
35 40 45

Phe Gly Arg Gln Leu Phe Ile His Leu Tyr Lys Thr Ala Leu Gly Ser  
50 55 60

Cys Thr Tyr Asp Asn Val Leu Lys Asp Trp Thr Asn Phe Glu Thr Thr  
65 70 75 80

Leu Lys Thr Arg Trp Arg Gly Val Glu His Leu Thr Pro Glu Phe Lys  
85 90 95

Arg Ser Thr Phe Glu Ser Trp Ala Arg Thr Val Arg Leu Thr Val Asp  
100 105 110

Gln Leu Leu Leu Asn Thr Ile Asn Gln Val Leu His Thr Arg Thr Val  
115 120 125

Leu Ser Tyr Glu Arg Tyr Val Asp Trp Val Val Ala Leu Gly Leu Val  
130 135 140

Pro Ile Val Arg Arg Ala Pro Asp Gly Glu Thr Ile Ala Arg Ile Gln  
145 150 155 160

Ala His Cys Gln Gln Met Arg Lys Thr His Ala Ser Gly Asp Val Thr  
165 170 175

Ile Ser Arg Ile Val Asp Lys Leu Ala Gln Glu Ile Thr Ala Ile Met  
180 185 190

Thr Asp Val Thr Ser Ile Tyr Ile Pro Asp Tyr Ala Glu Val Ser Val  
195 200 205

Glu Phe Asn Gly Asp Lys Ala Ala Tyr Leu Gly Thr Tyr Arg Gln Lys  
210 215 220

Asp Ile Thr Val Glu Val Val Ser Arg Pro Ile Ile Tyr Asn Gly Arg  
225 230 235 240

Val Ser Phe Asp Ser Pro Leu Tyr Arg Leu Phe Thr Ala Ile Met Thr  
245 250 255

Cys His Arg Thr Ala Glu His Ala Lys Leu Cys Gln Leu Leu Asn Thr  
260 265 270

Ala Pro Leu Lys Ala Leu Val Gly Ser Thr Cys Asn Asp Met Tyr Lys  
275 280 285

Asp Ile Leu Ala Arg Leu Glu Gln Ser Ser Gln Lys Thr Asp Pro Lys  
290 295 300

Arg Glu Leu Leu Asn Leu Leu Ile Lys Leu Ala Glu Asn Lys Thr Val  
305 310 315 320

Ser Gly Ile Thr Asp Val Val Glu Asp Phe Val Thr Asp Val Ser Gln  
325 330 335

Asn Ile Val Asp Lys Asn Lys Leu Phe Gly Thr Gly Thr Glu Ser Thr  
340 345 350

Thr Gln Gly Leu Arg Lys Gln Val Ser Asn Thr Val Phe Lys Cys Leu  
355 360 365

Thr Asn Gln Ile Asn Glu Gln Phe Asp Thr Ile Ser Asn Leu Glu Lys  
370 375 380

Glu Arg Asp Asp Tyr Val Lys Lys Ile Gln Cys Ile Glu Thr Gln Leu  
385 390 395 400

Leu Gln Ser Leu Pro Glu Gly Gly Arg Pro Arg His Asp Ile Asn Ile  
405 410 415

Leu Thr Gln Asn Thr Leu Gln Ala Leu Ser Gly Leu Arg Asp Pro Thr  
420 425 430

Ile Asn Leu Ser Glu Cys His Ile Pro Lys Gly Ser Ser Val Val Asn  
435 440 445

Ser Phe Phe Ser Gln Tyr Val Pro Pro Phe Met Glu Met Leu Arg Glu  
450 455 460

Leu Thr Ser Leu Trp Glu Gly Glu Met Phe Gln Thr Tyr Asn Leu Thr  
465 470 475 480

Pro Val Val Asp Asn Gln Gly Gln Arg Thr Ser Ile Ala Tyr Ser Gln  
485 490 495

Asp Thr Val Ser Ile Leu Leu Gly Pro Phe Thr Tyr Ile Ile Ala Lys  
500 505 510

Leu Thr His Met Asp Leu Ile Asn His Ser Leu Ile Ser Leu Ser Leu  
515 520 525

His Asp Ile Ala Asp Gln Leu Tyr Val Asp Ser Arg Leu Phe Val Tyr  
530 535 540

Ile Asn Asp Ile Gly His Lys Tyr Cys Glu Gln Ile Ile Gln Pro Gly  
545 550 555 560

Thr Asp Gly Pro Asn Thr Glu Ala Phe Asn Gly Gly Ala Ala Pro Ile  
565 570 575

Gly Gly Asn Asn Ala  
580

<210> 74  
<211> 790  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 74

Met Glu Ser Ser Val Gly Trp Thr Lys His Val Glu Pro Ser Pro Gly  
1 5 10 15

Phe Ile Leu Asn Met Thr Ser Asp Ala Lys Val Arg Gly Val Val Asp  
20 25 30

His Val Ser Arg Leu Ser Asn Ile Thr Thr Ser Pro Pro Glu Met Gly  
35 40 45

Trp Tyr Asp Leu Ala Phe Asp Pro Ala Glu Asp Ser Gly Pro Phe Leu  
50 55 60

Pro Phe Thr Val Tyr Leu Ile Thr Gly Thr Ala Gly Ala Gly Lys Ser  
65 70 75 80

Thr Ser Ile Ser Ala Leu Tyr Gln Asn Leu Asn Cys Leu Ile Thr Gly  
85 90 95

Ala Thr Thr Ile Ala Ala Gln Asn Leu Ser Arg Arg Leu Lys Thr Phe  
100 105 110

Cys Pro Thr Ile Phe Ser Ala Phe Gly Phe Lys Ser Arg His Ile Asn  
115 120 125

Ile Ala Val Arg Lys Ala His Gln Thr Gly Ala Val Ser Ile Glu Gln  
130 135 140

Val Gln Gln Gln Glu Leu Ser Lys Tyr Trp Pro Val Ile Val Asp Ile  
145 150 155 160

Met Lys Glu Val Met Ala Lys Lys Pro Asn Gly Met Tyr Gly Thr Ile  
165 170 175

Ser Asn Ala Asp Phe Glu Thr Leu Ser Arg Met Thr Gly Pro Cys Leu  
180 185 190

Trp Thr Ser Asn Ile Ile Val Ile Asp Glu Ala Gly Thr Leu Ser Ser  
195 200 205

Tyr Ile Leu Thr Thr Val Val Phe Phe Tyr Trp Phe Leu Asn Ser Trp  
210 215 220

Leu Asn Thr Pro Leu Tyr Arg Gln Gly Ala Val Pro Cys Ile Val Cys  
225 230 235 240

Val Gly Ser Pro Thr Gln Thr Asn Ala Phe Gln Ser Thr Tyr Asn His  
245 250 255

Gly Thr Gln Lys Thr Glu Ile Ser Ser Cys Glu Asn Ile Leu Thr Phe  
260 265 270

Met Ile Gly Lys Lys Val Val Ser Glu Tyr Val Asn Leu Glu Arg Asn  
275 280 285

Trp Ala Leu Phe Ile Asn Asn Lys Arg Cys Thr Asp Leu Gln Phe Gly  
290 295 300

His Leu Leu Lys Ile Leu Glu Tyr Asn Leu Pro Ile Pro Asp Glu Val  
305 310 315 320

Met Ser Tyr Val Asp Arg Phe Val Val Pro Lys Ser Lys Ile Met Asp  
325 330 335

Pro Leu Glu Tyr Ile Gly Trp Thr Arg Leu Phe Leu Ser His Ser Glu  
340 345 350

Val Lys Ala Tyr Leu Thr Asn Leu His Thr Cys Leu Thr Leu Gly Gly  
355 360 365

Asp Thr Arg Asp Thr Lys Leu Phe Thr Cys Pro Val Val Cys Glu Val  
370 375 380

Phe Val Lys Pro Phe Glu Glu Tyr Lys Arg Ala Val Asn Leu Thr His  
385 390 395 400

Leu Thr Val Thr Glu Trp Val Thr Lys Asn Leu Phe Lys Leu Ser Asn  
405 410 415

Tyr Ser Gln Phe Val Asp Gln Asp Met Ser Ile Val Ala Thr Glu Ser  
420 425 430

Thr Glu Arg Ser Thr Gln Val Thr Phe Ile Thr Lys Phe Val Lys Asn  
435 440 445

Ser His Val Ser Leu Asn Gly Lys Thr Lys Lys Cys Ile Cys Gly Phe  
450 455 460

Gln Gly Thr Tyr Phe Glu Phe Lys Arg Ile Leu Asp Ser Glu Leu Phe  
465 470 475 480

Val Glu Thr His Ser Gln Asp Arg Pro Glu Tyr Val Tyr Gly Phe Leu  
485 490 495

Asn Thr Leu Leu Tyr Asn Ala Met Tyr Ser Phe His Ala Tyr Gly Val  
500 505 510

Thr Arg Ala His Glu Lys Tyr Leu Glu Asp Leu Lys Phe Ala Pro Leu  
515 520 525

Pro Thr Ala Leu Ala Thr Gly Arg Val Asp Phe Gln Thr Val Arg Glu  
530 535 540

Glu Leu Asn Leu Glu Asp Asp Ile Phe Tyr His Val Cys Ser Pro Pro  
545 550 555 560

Pro Pro Ala Gly Ile Thr Ser Leu Gln Val Leu Val Asp Thr Tyr Cys  
565 570 575

Ala Leu Lys Asp Val Phe Ala Ser Arg Ile Lys Val Ala Cys Arg Trp  
580 585 590

Phe Gly Gly Glu Phe Glu Lys Glu Thr Phe Ser Ala Phe Thr Val Asn  
595 600 605

Met Val Val Arg Asp Gly Val Asp Phe Val Ser Pro Ser Glu Arg Leu  
610 615 620

Asn Gly Leu Leu Ala Phe Ala Ser Thr Val Glu Ser Tyr Lys Ile Lys  
625 630 635 640

Gly Tyr Thr Phe Leu Pro Ile Ala Phe Gly Arg Cys Gln Gly Leu Pro  
645 650 655

Leu Ser Asp Asp Leu Arg Lys Lys Met Pro Ser Leu Val Val Gln Asp  
660 665 670

Ser Ser Gly Phe Ile Ala Cys Leu Glu Asn Asn Ile Ser Lys Leu Thr  
675 680 685

Glu Thr Met Asp Asp Gly Ser Val Phe Gln Val Cys Cys Ala Gly Asp  
690 695 700

Tyr Gly Val Ser Ser Asn Leu Ala Met Thr Ile Val Lys Ala Gln Gly  
705 710 715 720

Met Ser Leu Glu Arg Val Ala Val Val Phe Gly Ala His Lys Asn Val  
725 730 735

Gln Thr Ser His Val Tyr Val Ala Ile Ser Arg Ala Val Asn Ser Asn  
740 745 750

Tyr Leu Val Met Asp Ser Asn Pro Leu Lys Thr Leu Leu Arg Glu Pro  
755 760 765

Val Asp Asn Thr Ser Ala Lys His Ile Val Arg Ala Leu His Asn Pro  
770 775 780

Asn Thr Thr Leu Ile Tyr  
785 790

<210> 75  
<211> 137  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 75

Met Val Ser Val Ser Leu Asp Met Leu Phe Ser Arg His Ala Ile Lys

1

5

10

15

Pro Leu Glu Ser Cys Thr Thr Arg Asp Gly Ile Phe Phe Leu Arg Ser  
20 25 30

Ser Leu Ser Gly Asn Pro Trp Gln Arg Pro Asn Ala Ile Gly Lys Asn  
35 40 45

Val Tyr Pro Leu Ile Leu Tyr Asp Ser Thr Val Asp Ala Asn Ala Asn  
50 55 60

Asn Pro Phe Arg Arg Ser Glu Gly Glu Thr Lys Ser Thr Pro Ser Leu  
65 70 75 80

Thr Thr Met Leu Thr Val Asn Ala Glu Asn Val Ser Phe Ser Asn Ser  
85 90 95

Pro Pro Asn Gln Arg His Ala Thr Phe Ile Leu Glu Ala Asn Thr Ser  
100 105 110

Phe Arg Ala Gln Tyr Val Ser Thr Lys Thr Trp Arg Glu Val Ile Pro  
115 120 125

Ala Gly Gly Gly Leu His Thr Trp  
130 135

<210> 76  
<211> 353  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 76

Met Ala Met Phe Leu Ser Asp Pro Pro Arg Thr Pro Pro Ala Thr Pro  
1 5 10 15

Arg Met Leu Pro Ile Pro Gly Ala Pro Arg Lys Lys Arg Thr Arg Arg  
20 25 30

Phe Leu Phe Ala Gly Ser Arg Thr Gly Leu Pro Val Pro Pro Gly Tyr  
35 40 45

Gly Gly Pro Pro Val Ile Asp Met Thr Ala Pro Asn Asp Val Phe Asp  
50 55 60

Ala Asp Ser Pro Pro Thr Thr Pro Lys Thr Pro Asp Glu Thr Asp Ser  
65 70 75 80

His Ser Glu Asn Ser Asn Tyr Ser Asp Met Asp Glu Glu Asp Glu Gln  
85 90 95

Pro Val Ser Ser Pro Pro Arg Ile Asp Pro His Ala Arg Asp Gly Glu  
100 105 110

Ser Phe Asn Gln Ser Asp Trp Arg Pro Thr Val Ile Thr Ala Ala Gly  
115 120 125

Pro Ala Ala Gln Pro Ser Ala Pro Ala Pro Leu Thr Ala Phe Gly Gly  
130 135 140

Gln Arg Pro Val Ala Val Val Thr Gly Gln His Arg Ala Pro Pro Ser  
145 150 155 160

Ser Thr Ser Asp Ser Gly Asp Asp Phe Phe Ile Asp Asp Tyr Glu Asp  
165 170 175

Thr Asp Glu Ser Gly Glu Asp Ala Asp Gly Phe Ser Pro Arg Ala Ser  
180 185 190

Pro Ala Trp Ser Gly Asp Thr Ser Arg Ser Pro Ala Gly Gly Trp  
195 200 205

Ser Ser Asn Glu Glu Glu Pro Ala Val Thr Gly Ser Ala Val Glu  
210 215 220

Gln Glu Thr Ile Ile Ile Ser Asp Asp Asp Asp Thr Asp Asp Arg Gly  
225 230 235 240

Ser Val Glu Thr Trp Asp Glu Ser Asp Ala Asp Glu Gly Thr Gly Ala  
245 250 255

Thr Asp Val Ile Asp Leu Cys Ser Ser Asp Ser Asp Asp Ala  
260 265 270

Asp His Val Thr Ser Gly Gly Val Arg Ala Ala Cys Lys Arg His Ala  
275 280 285

Ser Arg Arg Asp Cys Asn Gly Asp Asp Asp Val Ile Tyr Leu Gly Thr  
290 295 300

Thr Arg Ala Pro Lys Arg Arg Met Thr Ser Thr Thr Gly Gly Ala  
305 310 315 320

Thr Ser Asn Pro Glu Gly Pro Gly Val Ser Gly Arg Gln Thr Met Ala  
325 330 335

Ala Thr Pro Pro Val Cys Gly Asn Asp Asn Tyr Pro Trp Pro Trp Leu  
340 345 350

Asp

<210> 77  
<211> 87  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 77

Met Arg Val Gly Phe Val Trp Arg Phe Trp Ser Gly Gly Arg Arg Ile  
1 5 10 15

Cys Ile Lys Asn Ile Val Arg Cys Ser His Val Asn His Arg Gly Ala  
20 25 30

Ser Val Thr Gly Arg Tyr Arg Gln Pro Arg Thr Gly Pro Gly Glu Gln  
35 40 45

Lys Pro Ser Cys Ser Leu Phe Pro Arg Cys Thr Gly Asn Arg Gln His  
50 55 60

Pro Gly Ser Gly Arg Arg Gly Pro Trp Arg Val Arg Gln Glu His Ser  
65 70 75 80

His Asp Gln Asn Val His Leu  
85

<210> 78  
<211> 255  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 78

Met Asp Thr Trp Leu Glu Thr Val Val Trp His Lys Met Ser Met Thr  
1 5 10 15

Gly Pro Asn Glu Thr Pro Thr Gln Met Leu Leu Ile Ser Asp Ser Trp  
20 25 30

Leu Lys Phe Leu Asn Leu Ser Pro Phe Leu Lys Lys Lys Leu Ala Ala  
35 40 45

Leu Leu Arg Arg Val Met Asp Met Ser Lys Ala Thr Val Ile Tyr Pro  
50 55 60

Pro Ile Asp Arg Ile Met Trp Trp Ser Tyr Cys Cys Glu Pro Glu Asp  
65 70 75 80

Ile Lys Val Val Ile Leu Gly Gln Asp Pro Tyr His Arg Gly Gln Ala  
85 90 95

Thr Gly Leu Ala Phe Ser Val Ala Pro Asp Tyr Ser Ile Pro Pro Ser  
100 105 110

Leu Lys Asn Ile Phe Lys Glu Ile Ala Asn Thr Val Pro Gly Phe Thr  
115 120 125

Ala Pro Ser His Gly Cys Leu Asp Cys Trp Ala Lys Arg Gly Val Leu  
130 135 140

Leu Leu Asn Thr Ile Leu Thr Val Glu Arg Gly Lys Ala Gly Ser His  
145 150 155 160

Ser Asn Leu Gly Trp Asp Trp Phe Thr Ser Tyr Ile Ile Ser Cys Leu  
165 170 175

Ser Ala Lys Leu Gln Arg Cys Val Phe Met Leu Trp Gly Arg Lys Ala  
180 185 190

Ile Asp Lys Ala Val Leu Ile Asn Gly Gln Arg His Leu Val Leu Lys  
195 200 205

Ala Arg His Pro Ser Pro Leu Ala Ala Ala His Ala Ala Thr Gly Ser  
210 215 220

Pro Trp Pro Gln Phe Leu Gly Cys Asn His Phe Lys Leu Ala Asn Asp  
225 230 235 240

Tyr Leu Val Gln Asn Gln Arg Gly Ala Val Asp Trp Asn Ile Asn  
245 250 255

<210> 79  
<211> 163  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 79

Met Tyr Thr Leu Ser Phe Phe Thr Thr Tyr Phe Ile Leu Tyr Ile Gly  
1 5 10 15

Tyr Ser Ser Gly Leu Ile Pro Asn Pro Cys Cys Asp Ile Val Pro Leu  
20 25 30

Thr Gly Val Asn Ile Pro Ala Pro Phe Glu Ile Val Ser Phe His Phe  
35 40 45

Thr Asp Leu Ala Trp Cys Gln Gly Arg Cys Val Ala Thr Leu Arg Tyr  
50 55 60

Lys Val Gly Thr Ile Thr Thr Glu Leu Cys Val Asn Gly Phe His Leu  
65 70 75 80

Arg Ala Phe Phe Ile Arg Ile Leu Ser Gly Leu Asp Phe Ser Val His  
85 90 95

Arg Glu Glu Leu Asp Leu Leu Asn Tyr Val Arg Ile Ser Leu Glu Asp  
100 105 110

Phe Leu Ser Ala Phe Lys Asp Thr His Asp Asn Ser Glu Ser Val Thr  
115 120 125

Asn Leu Pro Ala Val Pro Asp Leu Thr Lys Lys Gly Ser Ala Ala Phe  
130 135 140

Arg Thr Arg Lys Val Gly Ala Arg Arg Gly Asp Leu Trp Ile Leu Gly  
145 150 155 160

Ser Arg Gln

<210> 80

<211> 389

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 80

Met Ala Val Ser Ile Pro Val Gln Gly Val Asp Arg Glu Thr Glu Ser  
1 5 10 15

Asn Trp Arg Ser Ile Val Thr Thr Phe Glu Gln His Gly Asn Ala Asp  
20 25 30

Arg Ala Ile Arg Ser Leu Leu Arg Phe Phe Lys Gly Val Asp His Pro  
35 40 45

Gly Phe Leu Ala Ser Leu Val Ile Leu Lys Asp Val Ala Ile Asp Ser  
50 55 60

Glu Lys Thr Ile Glu Arg Thr Asp Ile Ile Pro Leu Leu Gln Gly Val  
65 70 75 80

Arg Phe Val Thr Gln Gln Ile Tyr Met His Leu Lys Asp His Ala Ser  
85 90 95

Glu Ser Pro Val Thr Glu Ile Trp Arg Asp Cys Lys Glu Arg Phe Cys  
100 105 110

Leu Ala Leu Glu Leu Ala Cys Gly Cys Gln Ser Cys Thr Ser Ala Ala  
115 120 125

Arg Gln Leu Arg Asp Cys Gln Gln Ala Cys Arg Pro Pro Lys Leu Asn  
130 135 140

Pro His Lys Gln Gln Cys Gly Ala Ala Arg Leu Leu Thr Ala Val Tyr  
145 150 155 160

Asn Gln Met Val Leu Arg Thr Arg Val Ser Val Ser Glu Phe Cys Leu  
165 170 175

Asn Ala Leu Met Cys Val Pro Arg Glu Phe Gly Phe Val Ser Gly Asp  
180 185 190

Val Arg Val Glu Thr Ser Arg Val Ala Ser Cys Met Asn Leu Ser Trp  
195 200 205

Leu Tyr Leu Ile Leu Asp Ser Tyr Ile Arg Thr Asp Leu Thr Asn Leu  
210 215 220

Glu Met Ala Met Ser Arg Ala Cys Arg Ile Arg Gly Leu Ser Thr Arg  
225 230 235 240

Asp Pro Phe Tyr Ser Ala Leu Val Trp Leu Lys Asn Ser Cys Ala Cys  
245 250 255

Ala Ala Asn Thr Phe Phe Thr Val Asn Ser Thr Arg Val Thr Thr  
260 265 270

Pro Ile Leu Met Asp Ile Cys Ala Ser Leu Ala Gly Pro Val Pro Asp  
275 280 285

Val Ile Lys Ile Asn Met Leu Pro Leu Val Asn Asn Gln Met Tyr Pro  
290 295 300

Ser Val Cys Val Glu Arg Ala Asn Phe Thr Gly Ser Cys Pro Lys Met  
305 310 315 320

Ser Pro Thr His Arg Phe Asp Gly Leu Lys Leu Glu Thr Thr Ser Leu  
325 330 335

Thr Leu Ala Ala Asp Ser Leu Asp Asp Ile Leu Gln Ala Leu Glu Leu  
340 345 350

Ile Cys Asp Asp Asp Glu Gly Ile Leu Asp Ser His Ile Ser Asp Ile  
355 360 365

Asp Thr Glu Thr Glu Val Asp Glu Ser Thr Ile Glu Glu Glu Ile Val  
370 375 380

Phe Glu Glu Leu Ser  
385

<210> 81  
<211> 83  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 81

Met Val Asp Pro Phe Lys Lys Ser Gln Lys Arg Pro Asp Gly Ser Ile  
1 5 10 15

Arg Val Ser Met Leu Phe Lys Gly Ser His Asp Gly Ser Pro Val Arg  
20 25 30

Leu Gly Leu Pro Val Asn Thr Leu Asn Trp Asn Gly Asn Ser His Asp  
35 40 45

Thr Val Asn Phe Leu Met Ser Pro Lys Thr Asn Pro Glu Thr Glu Leu  
50 55 60

Asn Thr Asn Asp Cys His Pro Tyr Pro Lys Pro Arg Pro Arg Thr Ile  
65 70 75 80

Arg Pro Gly

<210> 82  
<211> 81  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 82

Met Asp Thr Asp Asp Asn Gln Val Ile Lys Leu Phe Phe Ile Gln Asp  
1 5 10 15

Ser Gly Gly Arg Val Tyr Ser Gly Val Gly Gly Ser Ile Ser Arg Arg  
20 25 30

Trp Glu Trp Leu Met Asn Pro His Leu Val Leu Gly Ser Gly Ala Leu  
35 40 45

Cys Ile Leu Leu Val Gln Leu Asn Leu Asn Leu Ala Cys Leu Gly Arg  
50 55 60

Thr Asn Gln Lys Thr Ala Trp Pro Arg Leu Leu Gly Ala Leu Cys Lys  
65 70 75 80

Leu

<210> 83  
<211> 301  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 83

Met Ser Arg His Tyr Gly Lys Asp His Leu Leu Asn His Met Tyr Lys  
1 5 10 15

Phe His Tyr Pro Pro Leu Gly Met Ile Val Gly Glu Met Asn Thr Leu  
20 25 30

Thr Val Asn Ala Arg Asn Pro Leu Tyr Gln Ala Ala Thr Leu Arg Val  
35 40 45

Glu Arg Ala Leu Tyr Leu Ser Lys Ile Leu Gln Val Leu Met Gln His  
50 55 60

Arg Gln Gly Glu Arg Phe Ile Val Pro Gln Cys Arg Ser Asn Met Val

65                          70                          75                          80

Tyr Cys Leu Lys Glu Leu His Lys Ile Thr Asn Asp Arg Ile Arg Gly  
85 90 95

Leu Ile Asn Ser Val Leu Pro Leu Val Asp Ala Gly Cys Val Gly Phe  
100 105 110

Asp Glu Glu Leu Val Arg Ile Leu Pro Glu Ile Leu Lys Leu Glu Tyr  
115 120 125

Ser Trp Cys Leu Ser His Met Val Gly Val Thr Lys Thr Phe Lys Gly  
145 150 155 160

Glu Val Lys Glu Met Ile Asp Thr Phe His Asp Leu Ser Val Pro Ser  
 165                    170                    175

Phe Gln Tyr Leu Ala Ser Leu Val Lys Lys Phe Phe Leu Val Glu Glu  
           180                   185                   190

Val Ile Tyr Glu Asp Tyr Gln Asp Thr Gln Phe Asn Val Phe Leu Asn  
195 200 205

Leu Cys Phe Phe Trp Thr Thr Val Ile Lys Met Tyr Gln Ser Cys Ile  
210 215 220

Phe Lys Asp Lys Leu Leu Asp Thr Ile Lys Ala Cys Ile Glu Leu Leu  
225 230 235 240

Lys Gly Glu Ala Arg Gln Phe Phe Gly Trp Tyr Asp Leu Asn Thr Pro  
245 250 255

Asn Leu Gly Ser Ala Ala Leu Val Lys Tyr Thr Glu His Leu Ile Arg  
260 265 270

Ala Leu Ser Val Asp Ser Ser Ala Ile Pro Ile Gly Glu Ile Cys Ser  
275 280 285

His Leu His His Cys Lys His Ala Leu Leu Asn Leu Glu  
290 295 300

<211> 85

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 84

Met Gly Met Ala Asp Glu Ser Thr Leu Ser Ala Arg Ile Arg Cys Ser  
1 5 10 15

Val Tyr Phe Thr Ser Ala Ala Glu Pro Lys Phe Gly Val Phe Arg Ser  
20 25 30

Tyr Gln Pro Lys Asn Cys Leu Ala Ser Pro Phe Arg Ser Ser Met Gln  
35 40 45

Ala Leu Met Val Ser Asn Ser Leu Ser Leu Lys Met Gln Leu Trp Tyr  
50 55 60

Ile Phe Met Thr Val Val Gln Lys Lys Gln Arg Phe Lys Asn Thr Leu  
65 70 75 80

Asn Cys Val Ser Trp  
85

<210> 85

<211> 514

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 85

Met Glu Cys Ala Ser Leu Gly Pro Ile Ser Gly Leu Ile Ala Asp Leu  
1 5 10 15

Asn Leu Phe Asn Leu Phe Cys Leu Tyr Arg Gly Ser Arg Val Lys Thr  
20 25 30

Arg Gly Ala Ala Thr Cys Asn Val Pro Cys Ala Glu Cys Ala Gln Gly  
35 40 45

Val Val Arg Ile Leu Thr Glu Arg Ala Leu Cys Cys Thr Glu Lys Met  
50 55 60

Phe Ile Ala Ser Ala Cys Ser Gly Val Val Leu Pro Pro Gln Leu Ala  
65 70 75 80

Lys Val Phe His Asp Val Tyr Ala Glu Met Lys Ala Lys Cys Leu Gly  
85 90 95

Ala Trp Arg Arg Leu Ile Cys Cys Arg Arg Pro Ile Met Ala Ile Ala  
100 105 110

Asp Ser Val Leu Val Thr Tyr Asn Thr Leu Asp Ala Glu Gly Lys Leu  
115 120 125

Asp Leu Lys Leu Lys Ala Leu Cys Lys Leu Val Phe Gln Pro Ile Phe  
130 135 140

Leu Gln Arg Ile Leu Ala Pro Met Gln Leu Leu Ala Asn Gly Lys Met  
145 150 155 160

Val Pro Asp Asn Tyr Phe Thr Ile Thr Gly Thr Ala Glu Lys Arg Arg  
165 170 175

Pro Val Val Thr Gly Ser Thr Ser Gly Met Thr Cys Pro Gly Ser Ser  
180 185 190

Leu Val Pro Asp Ser Leu Ile Leu Pro Val Cys Glu Pro Gly Leu Leu  
195 200 205

Pro Ala Pro Leu Val Asp Leu Ser Asn Val Leu Glu Asn Pro Glu Ile  
210 215 220

Ile Leu Ser Ala Pro Pro Leu Ser Gln Phe Val Ile Thr Asn Thr His  
225 230 235 240

Pro Ser Leu Pro Gln Ser Val Ser Ile Ile Thr Pro Thr Gln Gly Val  
245 250 255

Val Pro Gly Gln Cys Phe Met Asp Thr Trp Lys Ala Val Ser Gln Ser  
260 265 270

Ile His His Gln Ala His Thr Pro Ile Phe Ala Ala Thr Leu Ala Gly  
275 280 285

Ser Thr Ser Ala Ala Pro Gly Pro His Ile Ala Cys Ser Pro Val Ala  
290 295 300

Gly Thr Ser Arg Gln Val Glu Ala Ser Ala Gly Val Asp Cys Gly Lys  
305 310 315 320

Pro Val Cys Ala Pro Gln Pro Asp Ile Pro Pro His Val Pro Thr Lys  
325 330 335

Arg Met Glu Thr Val Ala Gln Ser Gly Asn Ala Pro Val Lys Asn Val  
340 345 350

His Ile Gly Gly Arg Val Tyr Ala Pro Leu Val Asn Ile Pro Ile Ile  
355 360 365

Asp Leu Thr Ser Pro Ser Gly Ser Gly Gln Ser Pro Val Asn Ile Ala  
370 375 380

Asn Thr Pro Glu Ser Arg Met Ala Ala Gly Ser Pro Pro Phe Ala Glu  
385 390 395 400

Thr Ala Ala Thr Val Pro Ala Lys Arg Lys Gln Pro Arg Glu Asp Val  
405 410 415

Ala Asp Lys Arg Ser Lys Gly Asp Gly Arg Gly Ala Ala Thr Val Asn  
420 425 430

Pro Pro Phe Pro Gly Pro Pro Ala Met Arg Val Arg Glu Gln Gly Leu  
435 440 445

Phe Asp Leu Ile Glu Ser Ser Thr Asp Val Thr Ala Asn Ala Ser Gly  
450 455 460

Pro Lys Asn Asp Asp Asp Met Leu Ala Ala Ile Leu Gln Asp Leu Tyr  
465 470 475 480

Gly Leu Gln Ser Pro Pro Ala Ile Asp Ser Pro Ser Ser Asn Ser Asp  
485 490 495

Asn Glu Asp Ile Phe Pro Glu Val Ser Pro Pro Ser Ser Gly His Gly  
500 505 510

Ser Pro

<210> 86  
<211> 224  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 86

Met Ser Ser Leu Ser Glu Leu Leu Glu Gly Glu Ser Ile Ala Gly Gly  
1 5 10 15

Asp Cys Arg Pro Tyr Arg Ser Cys Arg Ile Ala Ala Asn Met Ser Ser

20

25

30

Ser Phe Phe Gly Pro Asp Ala Phe Ala Val Thr Ser Val Glu Leu Ser  
35 40 45

Ile Lys Ser Asn Lys Pro Cys Ser Arg Thr Arg Ile Ala Gly Gly Pro  
50 55 60

Gly Asn Gly Gly Phe Thr Val Ala Ala Pro Arg Pro Ser Pro Phe Asp  
65 70 75 80

Leu Leu Ser Ala Thr Ser Ser Arg Gly Cys Phe Leu Leu Ala Gly Thr  
85 90 95

Val Ala Ala Val Ser Ala Lys Gly Gly Glu Pro Ala Ala Met Arg Asp  
100 105 110

Ser Gly Val Leu Ala Ile Leu Thr Gly Leu Cys Pro Glu Pro Asp Gly  
115 120 125

Asp Val Lys Ser Ile Ile Gly Ile Leu Thr Ser Gly Ala Tyr Thr Arg  
130 135 140

Pro Pro Met Trp Thr Phe Phe Thr Gly Ala Phe Pro Asp Cys Ala Thr  
145 150 155 160

Val Ser Ile Leu Leu Val Gly Thr Trp Gly Gly Ile Ser Gly Cys Gly  
165 170 175

Ala His Thr Gly Phe Pro Gln Ser Thr Pro Ala Asp Ala Ser Thr Cys  
180 185 190

Arg Asp Val Pro Ala Thr Gly Glu His Ala Ile Cys Gly Pro Gly Ala  
195 200 205

Ala Asp Val Glu Pro Ala Ser Val Ala Ala Lys Ile Gly Val Cys Ala  
210 215 220

<210> 87

<211> 170

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 87

Met Pro Arg Val Lys Thr Gln Pro Lys Arg Pro Gln Val Phe Asp Phe

1

5

10

15

Met Pro Leu Asp Leu His Gly Glu Thr Arg Ala Glu Met Asp Ser Gln  
20 25 30

Ser Leu Cys Pro Asp Gly Gln Asp Leu Leu Gly Ser Tyr Ile Tyr Thr  
35 40 45

Glu Asn Asn Gly Pro Phe Ser Gln Met Met His Asn Gly Gln Ser Asn  
50 55 60

Asn Gly Thr Gly Glu Ser Phe Gly Ser Tyr Ala Ala Gly Asp Gly Phe  
65 70 75 80

Leu Gly Gly Ser Val Ser Gly Met His Gly Asn Gly Thr Val Asp Gly  
85 90 95

Leu Cys Ser Lys Lys Gln Ser Ala Cys Arg Lys Arg Ser Ala Ala Leu  
100 105 110

Ile His Ala Ala Ser Glu Ala Ser Val Ala Glu Gln Gly Thr Ser Gln  
115 120 125

Gly Thr Asn Ala Val Ser Asp Arg Ile Gly Arg Asp Gly Gly Ile Gly  
130 135 140

Asn Lys Leu Leu Lys Val Ser Ala Arg Leu Pro Asp Lys Thr Lys Thr  
145 150 155 160

Leu Pro Asp Pro Ser Leu His Cys Tyr Phe  
165 170

<210> 88  
<211> 244  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 88

Met Arg Ile Tyr Gly Ile Lys Gly Leu Asn Phe Phe Gly Ile Met Gly  
1 5 10 15

Phe Trp Asn Ile Pro Leu Gly Trp Gly Leu Cys Phe Met Val Trp Val  
20 25 30

Ala Trp Ile Ala Arg Gly Arg Ser Val Cys Pro Thr Trp His Leu Thr  
35 40 45

Asp Gly Lys Tyr Glu Ala Val Tyr Arg His Tyr Leu Glu Glu Cys Arg  
50 55 60

Lys His Glu Gly Ser Gly Ser Pro Asp Gly Ser Gly Lys Thr Glu Gly  
65 70 75 80

Ser Gly Thr Lys Ala Thr Thr Glu Ala Asn Ile Ser Ile Arg Pro Asn  
85 90 95

Val Val Thr Ser Gly Gln Asp Lys Glu Pro Met Lys Thr Ala Pro Arg  
100 105 110

Ala Glu Ser Ser His Asp Leu Pro Arg Ile Glu Gln Val Asn Ala Leu  
115 120 125

His Leu Ser Thr Pro Glu Leu Ala Gln Pro Leu Pro Val Val Glu Ser  
130 135 140

Thr Pro Arg Glu Ser Gln Ser Gly Gly Thr Pro Trp Asp Ala Arg Pro  
145 150 155 160

His Ala Phe Ile Met His Thr Asn Asp Met Leu Asn Pro Ser Val Val  
165 170 175

Leu Ser Phe Arg Ala Val Arg Ala Arg Ser Ile Arg Asp Thr Glu Gln  
180 185 190

Ser Ile Arg Asp Arg Asn Thr Val Thr Thr Ser Tyr Arg Thr Pro Gly  
195 200 205

Arg Pro Ser Leu Val Gln Ala Arg Pro Ser Ser Tyr Gly Ala Arg Leu  
210 215 220

Pro Pro Ser Pro Arg Thr Met Ala Arg Tyr Ala Glu Thr Arg Pro Thr  
225 230 235 240

Asp Asp Gln Asn

<210> 89  
<211> 92  
<212> PRT  
<213> Japanese Macaque Herpesvirus  
  
<400> 89

Met Asp Cys Ser Val Ser Arg Met Glu Arg Ala Arg Thr Ala Leu Lys  
1 5 10 15

Asp Arg Thr Thr Asp Gly Leu Ser Met Ser Phe Val Cys Ile Met Asn  
20 25 30

Ala Trp Gly Arg Ala Ser Gln Gly Val Pro Pro Asp Cys Asp Ser Arg  
35 40 45

Gly Val Asp Ser Thr Thr Gly Arg Gly Cys Ala Asn Ser Gly Val Asp  
50 55 60

Lys Trp Arg Ala Leu Thr Cys Ser Met Arg Gly Arg Ser Cys Asp Asp  
65 70 75 80

Ser Ala Leu Gly Ala Val Phe Ile Gly Ser Leu Ser  
85 90

<210> 90  
<211> 139  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 90

Met Ser Ser Thr Arg Pro Lys Thr Arg Ala Pro Lys Lys Glu Leu Thr  
1 5 10 15

Met Glu Glu Leu Ala Ala Gln Val Gln Lys Leu Ser Val Glu Asn Lys  
20 25 30

Gln Leu Lys Lys Leu Ile Asn Ser Gly Asp Pro Thr Arg Ser Gly Ser  
35 40 45

Asp Pro Val Ile Ser Asn Ser Glu Lys Glu Ala Lys Ile Ala Ala Ala  
50 55 60

Val Ser Ala Leu Cys Asn Val Ala Thr Arg Lys Ile Glu Ala Lys Val  
65 70 75 80

Arg Ala Val Thr Ala Lys Ala Val Thr Arg Gly Gln Val Glu Glu Ala  
85 90 95

Leu Ala Gly Ile Asn Ile Arg Val Asp Val Ser Met Asp Glu Thr Thr  
100 105 110

Arg Gly Gly Ile Thr Ala Ser Ala Asp Gly Ala Leu Arg Arg Arg Arg  
115 120 125

Ala Gln Ser Arg Thr Arg Asn Asn Asp Ala Asp  
130 135

<210> 91  
<211> 104  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 91

Met Thr Gly Ser Ile Val Leu Ala Leu Ala Leu Thr Ala Cys Leu Tyr  
1 5 10 15

Leu Cys Leu Pro Val Cys Ala Thr Val Thr Thr Ser Ser Thr Thr Gly  
20 25 30

Thr Gly Thr Pro Pro Val Thr Thr Thr Pro Ser Ala Ala Pro Ser Val  
35 40 45

Thr Pro Ser Phe Tyr Asp Tyr Asp Cys Ser Ala Asp Thr Tyr Gln Pro  
50 55 60

Val Leu Ser Ser Phe Ser Ser Ile Trp Ala Val Ile Asn Ser Val Leu  
65 70 75 80

Val Ala Val Ala Thr Phe Leu Tyr Leu Thr Tyr Met Cys Phe Phe Lys  
85 90 95

Phe Val Glu Thr Val Ala His Glu  
100

<210> 92  
<211> 290  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 92

Met Ala Glu Val Thr Ala His Thr Val Ala Tyr Ala Phe Asp Ser Cys  
1 5 10 15

Lys Phe Glu Ile Ile Pro Lys Asn Asn Ser Ser Arg Ile Ala Leu Arg  
20 25 30

Asn Lys Phe Pro Val Val Val Lys Pro Gly Glu Pro Leu Val Val Pro  
35 40 45

Leu Gly Leu Arg Ile Ile Arg Ala Pro Gln Cys Ala Phe Phe Leu Ser  
50 55 60

Gly Ala Pro Thr Asp Glu Val Tyr Tyr His Thr Gly Leu Ile Asp Gln  
65 70 75 80

Gly Tyr Arg Gly Glu Ile Lys Leu Ile Val Leu Asn Lys Thr Lys Gln  
85 90 95

Ser Val Thr Leu Tyr Arg Gly Glu Val Asn Val Ser Leu Ile Ala Phe  
100 105 110

Met Tyr Ala Ser Pro Gly Pro Leu Lys Cys Pro Ile Leu Asn Leu Pro  
115 120 125

His Tyr Ser Leu Asp Ala Gly Phe Asp Val Thr Ser Pro His Ala Met  
130 135 140

Thr Ile Pro Pro Thr Asp Arg Thr Pro Phe Thr Leu Ser Leu Tyr Tyr  
145 150 155 160

Lys Ser Pro Gln Leu Ser Thr Pro His Val Pro Leu Ile Val Gly Arg  
165 170 175

Ser Gly Leu Ala Ala Lys Gly Leu Thr Val Asp Ala Thr Lys Trp Thr  
180 185 190

Gln Ser Leu Val His Leu Arg Phe Tyr Asn Phe Thr Lys Glu Pro Ile  
195 200 205

Asp Ile Pro Ala Asn Ser Arg Ile Cys Gln Val Val Phe Ile His Glu  
210 215 220

Asp His Val Pro Ser Gly Trp Asn Ile Leu Arg Ser Arg Val Gln Leu  
225 230 235 240

Gly Ser Thr Leu Gln Ile Ser Trp Ala Lys Ile Arg Phe Thr Asp Val  
245 250 255

Ala Thr Leu Pro Ala Thr His Pro Leu Asn Ser Arg Pro Thr Gln Ser  
260 265 270

Gln Thr Glu Pro Glu Thr Asn Arg Gly Ala Lys Gly Leu Gly Ser Ser  
275 280 285

Gly Leu  
290

<210> 93  
<211> 140  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 93

Met Ser Gly Ser Val Tyr Ser Arg Arg Pro Arg Pro Lys Arg Val Glu  
1 5 10 15

His Ser Glu Ile Pro Arg Thr Thr Arg Gln His Pro Pro Asp Ile Val  
20 25 30

Gly Gln Asn Gln Val His Arg Arg Gly His Ala Ser Arg Asn Pro Pro  
35 40 45

Ala Gln Leu Pro Pro His Ser Lys Pro Asp Arg Thr Arg Asp Gln Pro  
50 55 60

Arg Arg Lys Gly Val Gly Val Val Arg Val Ile Ile Leu Lys His Gly  
65 70 75 80

Ile Ile Leu Lys Leu Phe Ile Phe Asn Lys Thr Ile Gln Ile Asn Ile  
85 90 95

Asn His Gln Pro Gly His Leu Val Leu Phe Cys Leu Ala Arg Tyr Tyr  
100 105 110

Pro Pro Pro Pro Thr Gly Ala Ser Val Val Glu Ser Pro Asp Gly Arg  
115 120 125

Gly Trp Arg Thr Leu Arg Tyr Leu Pro Ala His Tyr  
130 135 140

<210> 94  
<211> 210  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 94

Met Ala Ala Pro Gly Ser Phe Trp Thr Cys Cys Gly Phe Ser Pro Phe  
1 5 10 15

Gly Arg Val Gly Cys Arg Tyr Arg Pro Leu Pro Asp Pro Leu Asn Glu  
20 25 30

Cys Pro Thr His Trp Arg Thr Glu Ile Ala Met Gly Leu Pro Pro Gly  
35 40 45

Val Asp Met Gly Asp Val Lys Gln Ala Glu Met Cys Thr Ala Ala Leu  
50 55 60

Arg Gln Thr Tyr Leu Leu Ala Val Gln Ser Asn Lys Ile Thr Glu Tyr  
65 70 75 80

Leu Arg Arg Phe Asp Ala Ala Arg Val Pro Ala Gly Cys Gln Glu Thr  
85 90 95

Val Arg Ile Gln Ile Ser Lys Leu Lys Ser Ile Gln Asn Val Ile Trp  
100 105 110

Asn Ala Met Leu Ser Leu Ala Ile Gly Asp Ile Thr Val Asp Glu Ser  
115 120 125

Ala Phe His Ala Leu Leu Asn Lys Arg Ala Asp Glu Thr Val Ser Leu  
130 135 140

Leu Glu Met Glu Lys Leu Ala Thr Thr Ile Ala Ser Asp Asp Ser Val  
145 150 155 160

Thr Trp Ala Ala Glu Ile Asn Asn Val Leu Val Asp Thr Glu Ala Ser  
165 170 175

Ser Asn Pro Ser His Pro Val Ile Arg Gln Pro Thr Pro Gln Leu Ala  
180 185 190

Val Ala Asp Asn Ile Val Pro Asp Lys Ile Ile Gln Asp Ala Gln Ala  
195 200 205

Asp Gly  
210

<210> 95  
<211> 838  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 95

Met Ser Gln Val Arg Pro Leu Pro Asp Glu Arg Val Asn Glu Ile Arg  
195

1

5

10

15

Ala Ile Phe Ser Thr Ser Gly Asp Met Ala Glu Val Ile Thr Asp Ile  
20 25 30

Leu Thr Gly Thr Gln Ala Thr Ala Ser Phe Phe Cys Val Leu His Asp  
35 40 45

Arg Gly Asn Val Pro Ile Asn Thr Pro His Ala Val Ile Lys Leu Cys  
50 55 60

Leu Pro Ala Arg Arg Pro Gly Gly Pro Arg Cys Leu Pro Leu Met  
65 70 75 80

Val Leu Asn Leu Pro Ala Trp Gln Val His Leu Phe Leu Thr Gly Asp  
85 90 95

Ala Pro Leu Thr Ser Asp Asn Ile Lys Asp Arg Ile Asp Leu Ala Gln  
100 105 110

Thr Glu Glu Ile Leu Glu Pro Ile Leu Ser Val Leu Ala Cys Lys Arg  
115 120 125

Ser Ala Gln Gln Thr Lys His Asp Ser Phe Lys Ser Lys Val Ala Trp  
130 135 140

Phe Arg Ala Lys Phe Val Ser Ala Leu Arg Lys Val Tyr Lys Met Thr  
145 150 155 160

Pro Ser Pro Tyr Trp Met Ile Thr Leu Leu Gly Ser Phe Glu Ala Ser  
165 170 175

Phe Val Leu Ala Gly Thr Phe Tyr Phe Phe Gln Ser Tyr Thr Cys Thr  
180 185 190

Ala Glu Thr Leu Val His Leu Thr Arg Leu Phe Ile Ser Ser Gln Gly  
195 200 205

Gln Ser Leu Val Thr Val Asn Thr Tyr Asp Glu Leu Gly Arg Val Phe  
210 215 220

Gly Arg Ser Asp Phe Leu Glu Ile Val Pro Asn Phe Trp Ala Tyr Leu  
225 230 235 240

Lys Tyr Lys Met Gln Gln Asp Asp Val Glu Ser Lys Ala Ile Asp Gln

245

250

255

Thr Ile Asn Ser Ile Arg Gly Gly Leu Met Leu Ser Pro Gln Asp Leu  
 260 265 270

Val His Phe Ile Tyr Leu Ser Phe Tyr Glu Cys Met Asn Ala Gln Thr  
 275 280 285

Phe Leu Ser Tyr Ser Arg Thr Thr Ala Ser Leu Pro Thr Pro Ala Thr  
 290 295 300

Val Asn Pro Pro Gln Leu Cys Arg Arg Leu Glu Ala Asp Phe Lys Glu  
 305 310 315 320

His Val Met Ala Tyr Tyr Asn Lys Ala Ser Tyr Leu Ser Thr Tyr Ile  
 325 330 335

Thr Ile Leu Thr Val Pro Ala Pro Leu Pro Glu Gly Tyr Glu Asn Phe  
 340 345 350

Gln Glu Leu Ala Cys Gln Tyr Trp Cys Gly Gln Ser Arg Asp Val Ala  
 355 360 365

Glu Ile Met Thr Arg Ile Asn Asp Gln Tyr Pro Gln Leu Asn Leu Thr  
 370 375 380

Lys Asp Leu Ser Gly Leu Leu Asp Leu Ala Ala Leu Asp Gln Asp Ser  
 385 390 395 400

Gly Gly Pro Lys Glu Asn Leu Phe Thr Val Ala Ser Arg Ile Pro Thr  
 405 410 415

Tyr Arg Cys Glu Phe Leu Asn Lys Gln Tyr Phe Val Leu Met His Thr  
 420 425 430

Asp Cys Ile Asp Ala Tyr Trp Lys Gln Asn Ile Ile Val Pro Glu Asp  
 435 440 445

Ala Gln Leu Gln Gly Leu Thr Asp Gln Asp Leu Thr Ser Arg Ile Phe  
 450 455 460

Tyr Cys Asp Leu Gly Leu Ser Leu Pro Thr Phe Lys Gln Gln Ile Met  
 465 470 475 480

Val Ser Arg His Glu Tyr Phe Asn Pro Arg Leu Pro Val Tyr Arg Trp

485

490

495

Val Leu Asp Phe Asp Leu Lys Val Thr Glu Gly Arg Arg Thr Leu Asn  
500 505 510

Asp Ile Tyr Asn Ile Cys Val Thr Leu Arg Gln Val Ile Leu Glu Thr  
515 520 525

Leu Gln Leu Ile Gly Pro Leu Lys Pro His His Pro Val Tyr Phe Phe  
530 535 540

Lys Ser Ala Cys Pro Ala Val Thr Trp Pro Asp Asp Ile Ser Asp Thr  
545 550 555 560

Ala Phe Cys His Cys Asp Thr Lys Ile Gly Met Arg Ile Val Thr Pro  
565 570 575

Phe Pro Ile Gly Tyr Cys Leu Val Gly Ser Ala Pro Leu Val Ser Leu  
580 585 590

Thr Asn Ile Leu Asn Arg Val Val Lys Leu Asp Thr Arg Leu Ala Ser  
595 600 605

Glu Tyr Pro Gly Ile Leu Glu Asp Lys Gly Pro Phe Asp Ser Gly Ile  
610 615 620

Tyr Ala Lys Gly Arg Cys Val Arg Val Pro His Cys Tyr Lys Val Gly  
625 630 635 640

Pro Gly Gly Glu Leu Ser Arg Leu Leu Lys Ile Ile Ile Cys His Pro  
645 650 655

Glu Glu Ser Asp Lys Ser Ala Tyr Leu Lys Asn Ala Phe Lys Val Ser  
660 665 670

Asn Leu Leu His His Ala Pro Gly Asp Ser Val Thr Lys Asn Gly His  
675 680 685

Leu Val Tyr Ala Ile Ala Asp Glu Asn Glu Gly Phe Leu Glu Ser Lys  
690 695 700

Thr Lys Asn Asn Leu Pro Lys Thr Ile Thr Asp Leu Ala Glu Lys Ile  
705 710 715 720

Glu Arg Thr Thr Glu Lys Pro Leu Ile Asp Trp Ala Ala Thr Ala Val

725

730

735

Trp Pro Lys Leu His Asp Thr Ile Gln Arg Phe Phe Pro Asp Asp Arg  
740 745 750

Ile Gly Gln Phe Ala Ser Val Ser Phe Met His Ser Gly Asp Asn Ile  
755 760 765

Ile Gln Val Arg Pro Gln Lys Gly Asn Asn Phe Phe Cys Ile Asn His  
770 775 780

Lys His Arg Asn His Thr Gln Thr Val Arg Val Phe Leu Thr Leu His  
785 790 795 800

Ser Thr Lys Glu Ser Glu Val Thr Val Thr Phe Met Ser Gln Cys Phe  
805 810 815

Ala Ala Lys Cys Asn His Asn Ser Pro Thr Ala His Phe Ser Phe Met  
820 825 830

Val Pro Ile Thr Cys Thr  
835

<210> 96  
<211> 91  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 96

Met Leu Ser Pro Glu Cys Met Lys Leu Thr Asp Ala Asn Trp Pro Met  
1 5 10 15

Arg Ser Ser Gly Lys Lys Arg Cys Met Val Ser Cys Ser Phe Gly His  
20 25 30

Thr Ala Val Ala Ala Gln Ser Ile Ser Gly Phe Ser Val Val Arg Ser  
35 40 45

Ile Phe Ser Ala Lys Ser Val Ile Val Phe Gly Arg Leu Phe Leu Val  
50 55 60

Leu Leu Ser Arg Lys Pro Ser Phe Ser Ser Ala Ile Ala Tyr Thr Arg  
65 70 75 80

Trp Pro Phe Leu Val Thr Glu Ser Pro Gly Ala  
85 90

<210> 97  
<211> 89  
<212> PRT  
<213> Japanese Macaque Herpesvirus  
  
<400> 97

Met Ala Gln Ala Met Val Ser Leu Glu Tyr Met Lys Asp Ile Leu Asp  
1 5 10 15

Gly Lys Lys Thr Ser Tyr Gly Ser Tyr Asn Phe Tyr Leu Lys Pro Gln  
20 25 30

Leu Thr Lys Arg Leu Val Leu Tyr Ala Leu His Ala Val Arg Val Ser  
35 40 45

Arg Thr Asn Leu Phe Tyr Arg Gly His Ile Ile Ile Gly Leu Arg Arg  
50 55 60

Leu Leu Ile Gly Arg Asp Gly Arg Pro Val Pro Asp Ala Gly Ala Arg  
65 70 75 80

Thr Val His Gly Thr Ala Gln Leu Ser  
85

<210> 98  
<211> 440  
<212> PRT  
<213> Japanese Macaque Herpesvirus  
  
<400> 98

Met Arg Tyr Val Phe His Ala Leu Ile Cys Phe Ile Gly Gly Ile Ser  
1 5 10 15

Ser Ser Asp Phe Asp Asp Ser Ser Ser Asp Glu Met Asp Asp Leu Ser  
20 25 30

Pro Thr Pro Glu Pro Glu Pro Ser Thr Ala Pro His Ser Phe Pro Glu  
35 40 45

Gly Pro Lys Ser Lys Val Val Ala Leu Pro Lys Ile Arg Lys Arg Ser  
50 55 60

Arg Ser Lys Thr Pro Val Lys Ile Glu His Arg Ser Pro Leu Asn Arg  
65 70 75 80

Ser Arg Ser Arg Ser Arg Thr Arg Ser Gly Ser Gly Gln Arg Thr Ser  
85 90 95

Ser Thr Tyr Val Lys Arg Phe Lys Pro Thr Val Asp Ala Pro Arg Ser  
100 105 110

Arg Glu Pro Trp His Arg Gly Gly Lys Gly Lys Ala Pro Phe Ile Arg  
115 120 125

Arg Asn Ala Leu Ala Glu Arg Gly Arg Arg Thr Tyr Gly Asn Glu His  
130 135 140

Arg Gly Lys Ser Ala Leu Thr Arg Asn Ile Lys Glu Ser Ile Lys Lys  
145 150 155 160

Met His Leu Pro Ser Thr Met Leu Ser Arg Pro His Asp Lys Lys Val  
165 170 175

Phe Glu Gly Leu Leu Pro Arg His Leu Glu Gln Cys Phe Gln Val Cys  
180 185 190

Leu Pro Ala Pro Pro Leu Arg Pro Glu Val Phe Thr Asp Arg Gln  
195 200 205

Leu Thr Ala Ile Val Lys Ser Gly Gly Arg Arg Asp Ala Leu Val Ala  
210 215 220

Lys Lys Val Ser Leu Ala Lys Val Met Ser Met Tyr Lys Pro Leu Leu  
225 230 235 240

Thr Phe Val Thr Gly Arg Asn Asn Gln Ala His Trp Leu Ala Thr Arg  
245 250 255

Lys Asn Thr Leu Ala Ser Ala Gly Leu Glu Ala Leu Ala Ala Phe Ile  
260 265 270

Glu Glu Gly Leu Ala Trp Ala Gln Val Cys Val Ser Gln Asn Arg Ser  
275 280 285

Leu Asn Asp Ser Asn Leu Asp Ile Ile Leu Asp Ser Ser Gln Ser Val  
290 295 300

Cys Thr Trp Phe Ile Ser Lys Ile Arg His Leu His Ile Gln Cys Phe  
305 310 315 320

Leu Glu Asn Gln Gly Glu Ile Ser Leu Val Lys Gln Leu Thr Tyr Leu  
325 330 335

Val Cys Ile Asn Asn Arg Leu Ala Glu Ala Ala Asn Leu Ala Gly Glu  
340 345 350

Val Lys Leu Asn Phe Lys Phe Ala Met Leu Ile Gly Phe Ala Leu Thr  
355 360 365

Leu Pro Ala Leu Leu Ala Glu Gln Lys Leu Ser Gly Glu Ser Leu Tyr  
370 375 380

Leu Phe Arg Ser Phe Leu Glu Lys Tyr Arg Pro Gly Asp Val Met Gly  
385 390 395 400

Leu Leu Asn Ser Ile Val Val Glu His Tyr Thr Lys Cys Arg Ser Ala  
405 410 415

Glu Cys Val Ile Thr Thr Arg Ala Met Val Gly Ser Gly Glu Asn Asn  
420 425 430

Lys Gly Leu Phe Phe Pro Ala  
435 440

<210> 99

<211> 413

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 99

Met Ala Thr Trp Cys Pro Pro His Ser Gly Gly Pro Ser Ala Met Gly  
1 5 10 15

Leu Arg Glu Trp Ile Val Thr His Ala Asn Leu Gly Thr Tyr Ser Gly  
20 25 30

Leu Phe Trp Ala Asp Asp Glu Lys Thr Arg Val Val Leu Ala Thr Thr  
35 40 45

Thr Ala Trp Thr Val Glu Phe Asp Tyr Pro Arg Asp Gly Lys Val Tyr  
50 55 60

Glu Asp Tyr Cys Asn Gln Arg Asn Ile Pro Leu Pro Ser Gly Arg Pro  
65 70 75 80

Arg Leu Cys Gln Ala Lys Ala Arg Leu Leu Gly Ala Ile Arg Lys Ser

85

90

95

Ala Tyr Phe Val Glu Glu Lys Asn Phe Leu Arg Arg Ser Phe Ser Phe  
100 105 110

Pro Thr Val Val Phe Arg Leu Arg Ser Asn Glu Glu Met Ser Cys Arg  
115 120 125

Leu Cys Pro Arg Ala Ser Gly Val Ala Ala Glu Leu Arg Gly Leu Arg  
130 135 140

Phe Arg Met Phe Lys Arg Lys Gly Ala Asp Asp Val Gly Arg Val Thr  
145 150 155 160

Glu Tyr Thr Val Lys Gln Leu Leu Gly Leu Leu Arg Thr Arg His Ala  
165 170 175

Gly Ala Ser Thr Met Thr Ala Pro Ala Thr Glu Ala Ser Ala Thr Thr  
180 185 190

Ala Gly Glu Asp Gly Arg Gln Asp Glu Ser Glu Gly Gly Ala Val Ala  
195 200 205

Leu Pro Glu Glu His Thr Pro Pro Leu Ser Val Ser Ser Gly Leu Ser  
210 215 220

Ala Cys Leu Ala Pro Ser Val Asp Asp Pro Trp Gly Phe Met His Ile  
225 230 235 240

Gln Val Tyr Tyr Tyr Gly Phe Leu Gln Ser Gln Val Phe Thr Arg Thr  
245 250 255

Gly Met Gly Val Arg Leu Ser Thr Arg Pro Thr Asp Lys Asn Glu His  
260 265 270

His Val Cys Met Ala His Gly Pro Leu Gln Leu Trp Leu Pro Pro Ala  
275 280 285

Pro His Met Asp Asp Asp Val Met Leu Ser Arg Leu Val Asn Ala Leu  
290 295 300

Asn Ala Leu Glu Asp Gly Ile Val Leu Ser Ser Cys Gln Tyr Gly Ile  
305 310 315 320

Met Met Asn Gly Tyr Gly Phe Leu Asn Leu Trp Phe Arg Gly Asn Thr

325

330

335

Leu Asn Thr Leu Glu Pro Thr Arg Val Pro Ser Gly Val Gly His Arg  
340 345 350

Ile Phe Asp Thr Asp Asp Tyr Ile Thr Lys Leu Ala Gln Ser Pro Arg  
355 360 365

Pro Ser Asp Pro Gly Pro Pro Asp Pro Phe Ala Gln Ile Trp Val Ala  
370 375 380

Ala Trp Ser Leu Tyr Glu Glu Glu Asp Leu Ser Gln Ala Pro Ile Cys  
385 390 395 400

Ile Ile Val His Gln Arg Glu Ile Tyr Arg His Phe Glu  
405 410

<210> 100

<211> 81

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 100

Met Ala Pro Asn Thr Gln Lys Asp Arg Leu Ile Gln Ile Ala Ala Glu  
1 5 10 15

Cys Val Pro Arg Val Thr Gln Pro Arg Pro Leu His Ser Arg Pro Ala  
20 25 30

Tyr Arg Leu His Arg Arg Trp Leu Arg Thr Pro Arg Trp Pro Gly Arg  
35 40 45

Ser Trp Trp Arg His Arg Arg Asp Gly Tyr Glu Ala Ala Arg Ala Ala  
50 55 60

Ala Leu Pro Cys Ile Gln Leu Pro Cys Pro His Arg Arg Arg Pro Cys  
65 70 75 80

Ala

<210> 101

<211> 138

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 101

Met Arg Leu Pro Val Gly Ala Asp Val Cys Ser Arg His Glu Ile Ile  
1 5 10 15

Pro Pro Ala Ala Thr Asn Ser Leu Ser Ala Gln Ser Ala Gly Tyr Arg  
20 25 30

Leu Ile Ser Leu Thr Ser Thr Pro Pro His His Leu His Arg Ser Cys  
35 40 45

Pro Cys Pro Asp Cys Pro Leu Asn Leu Val Arg Ser Arg Pro Ala Leu  
50 55 60

Leu Pro Gly Gln Ala Ile Asp Ser Ser Pro Leu Arg Asp Leu Pro Tyr  
65 70 75 80

Gly Arg Asn Arg Arg His Glu Pro Leu Met Phe Gln Leu Ser Arg Gly  
85 90 95

Lys Asn Asn Pro Arg Cys Arg Thr Gln Thr Arg Phe Arg Thr Arg Asn  
100 105 110

Ala Val Leu Trp Arg Trp Val His Gly Arg Asp Ser Ala Thr Glu Pro  
115 120 125

Thr Asp Thr Gly Arg Phe Val His Asn Leu  
130 135

<210> 102  
<211> 413  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 102

Met Ala Gly Arg Gly Val Asp Ile Lys Ala Trp Leu Val Ala Ala Val  
1 5 10 15

Glu Ser Ser Glu Tyr His Gly Leu Val Trp Glu Asn Glu Asp Lys Thr  
20 25 30

Val Val Arg Val Pro Trp Asn Lys Val Thr Ala Ala Arg Ser Asp Ser  
35 40 45

Glu Lys Phe Phe Asp Asp Tyr Cys Asn Met Arg Gly Ile Cys Gln Gly  
50 55 60

Glu Lys Pro Pro His Tyr Gly Arg Phe Arg Lys Met Arg Phe Leu Tyr  
65 70 75 80

Asp Met Arg His His Lys Ser Ile Arg Glu Leu Lys Phe Ile Asn Lys  
85 90 95

Ala Tyr Gly Arg Ser Glu Ala Arg Tyr Arg Leu Phe Arg Leu Leu Pro  
100 105 110

Glu Pro Val Val Ser Cys Ala Met Cys Asn Leu Met Ser Ser Thr Glu  
115 120 125

Thr Gln Cys Leu Gly Leu Thr Ser Glu Phe Arg Tyr Asp Gln Trp Gly  
130 135 140

Gly Phe Gly Arg Glu Arg Arg Arg Val Phe Thr Ala Thr Val Leu Ala  
145 150 155 160

Arg Ser Trp Met Asp Lys Asn Lys Arg Val Arg Glu His Arg Leu Pro  
165 170 175

Gly Ala Ile Gln Leu Thr Phe Leu Tyr Phe Gly Ser Thr Val Gly Leu  
180 185 190

Glu Arg Val His Ala Gly Thr Arg Val Cys Ser Arg Pro Tyr Pro Val  
195 200 205

Leu Ala Gly His Ala Cys Cys Phe Gln Asp Glu Arg Thr Leu Phe Leu  
210 215 220

Pro Pro Pro Gly Val Val Asp Cys Ser Phe Ala Arg Glu Asp Leu Arg  
225 230 235 240

Gly Met His Lys Lys Cys Glu Lys Gly Leu Leu Ile Ala Leu Thr Asp  
245 250 255

Thr Gly Ile Ser Val Lys Asn Leu Glu Asn Arg Glu Met Lys Val Leu  
260 265 270

Thr Asn Asn Glu Glu Glu Tyr Lys Asp Leu Pro Ser Arg Gln Pro Val  
275 280 285

Gln Val Phe Asp Met Val Asp Tyr Leu Arg Ala Leu Ala Arg Ser Pro  
290 295 300

Lys Pro Gly Asp Asp Pro Pro Arg Asp Tyr Ala Gln Ile Ala Leu Cys  
305 310 315 320

Leu Ser Val Gln Ser Pro Asn Pro Ala His Ala Pro Ile Ala Ile Arg  
325 330 335

Leu Arg Tyr Val Cys Glu Thr Ser Ser Val Cys Gly Thr Glu Gly Cys  
340 345 350

Phe Tyr Pro Gly Thr Ile Gly Thr Ser Glu Ala Arg Val Ala Gly Ser  
355 360 365

Phe His Met Glu Asp Pro Gly Glu Gly Thr Ser Gln Ser Leu Asp Pro  
370 375 380

Ala Val Glu Leu Gly Asp Ser Gly Pro Asp Ser Met Asp Asn Pro Asp  
385 390 395 400

Thr Gly Thr Ser Gly Glu Asp Asp Gly Val Ala Cys Ser  
405 410

<210> 103

<211> 91

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 103

Met Gly Gly Ile Arg Arg Leu Asn Arg Gln Thr Gln Gly Asp Leu Cys  
1 5 10 15

Ile Ile Ser Arg Trp Val Val Ser Arg Leu Arg Gly Pro Cys Lys Ser  
20 25 30

Ser Lys Ile Ile His His Ile Lys His Leu Asn Gly Leu Pro Gly Arg  
35 40 45

Gln Val Leu Ile Leu Leu Leu Ile Val Ser Lys His Phe His Phe Pro  
50 55 60

Val Leu Gln Val Leu Tyr Gly Asn Ala Ser Ile Arg Lys Gly Asn Gln  
65 70 75 80

Gln Thr Leu Leu Ala Leu Phe Val His Ala Pro  
85 90

<210> 104

<211> 351

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 104

Met Glu Arg Pro Val Arg Val Thr Lys Pro Ser Ser Leu Arg Gly Trp  
1 5 10 15

Leu Val Glu Cys Cys Glu Thr Gly Arg His Pro Gly Met Arg Trp Ile  
20 25 30

Asp Asp Glu Arg Thr Leu Ile Arg Ile Pro Trp Asn His Asp Arg Gly  
35 40 45

Ser Arg Gly Val Glu Glu Ser Glu Lys Asn Ile Phe Ile Asp Tyr Cys  
50 55 60

Arg Ser Arg Gly Ile Leu His Ala Ala Gly Arg Glu Leu Thr Ala Lys  
65 70 75 80

Glu Cys Lys Asn Trp Leu Ser Ser Ala Ile Arg His Ser Gln Thr Val  
85 90 95

Ser Asp Val Ser Thr Asn Asp Asp Leu Ser Thr Pro Tyr Pro Asn Arg  
100 105 110

Cys Arg Thr Ile Arg Leu Leu Pro Ile Thr Val Arg Ser Cys Ala Arg  
115 120 125

Cys Asp Gln Ala Ser Gly Thr Thr Ala Met Leu Arg Gly Leu Arg Glu  
130 135 140

Glu Ala Val Asn Lys Phe Gly Pro Val Gly Ala Gly Val Gln Tyr Thr  
145 150 155 160

Gly Ala Val Gly Ala Gly Gly Glu Gln Cys Trp Met Leu Arg Ile Thr  
165 170 175

Phe Tyr Tyr Tyr Gly Asp Arg Phe Gly Glu Val Val Thr Glu Ser Pro  
180 185 190

Asn Gly Ile Arg Val Leu Pro Leu Ser Glu Arg Arg Ala Gln Gly His  
195 200 205

Ile Cys Val Ala Pro Ile Ala Glu Gln Ala Leu Val Pro Glu Ile Pro  
210 215 220

Ser His Leu Val Glu Phe Gln Ala Glu Ala Leu Arg Phe Leu Asp Lys  
225 230 235 240

Asp Leu Leu Arg Gly Leu Ala Phe Trp Ala Asp Pro Ser Gly Ile Tyr  
245 250 255

Ile Arg Trp Leu Gly His Ser Met Ala Phe Val Gln Gly Asn Val Glu  
260 265 270

Ser Pro Gly Ala Ile Val Val Leu Ser Cys Ala Asn Ala Cys Arg Ala  
275 280 285

Phe Asn Leu Val Asp Tyr Met Lys Gly Met Ala Arg Thr Pro Arg Asp  
290 295 300

Gly Thr Ala Pro Pro Gln Ala Cys Val Tyr Leu Tyr Phe Gly Gly Val  
305 310 315 320

Pro Thr Pro Glu Gly Val Gln Ser Thr Val Pro Leu Ile Ile Gln  
325 330 335

Leu Trp His Glu Cys Leu Trp Gln Ala Leu Ser Ala Ala Asn Val  
340 345 350

<210> 105

<211> 361

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 105

Met Ala Ile Arg Asp Ser Asn Tyr Ser His Leu Arg Ser Trp Thr Leu  
1 5 10 15

Tyr His Leu Asn Glu Lys Thr Tyr Ser Asp Leu Thr Trp Cys Asp Gln  
20 25 30

Glu Lys Lys Thr Phe Lys Leu Ser Trp Lys Lys Gly Ala Ala Gly Thr  
35 40 45

Pro Ala Val Val Ala Tyr Cys Ala Gln Arg Gly Leu Gln Val Gly Ile  
50 55 60

Asp Gly Asn Val Phe Glu Cys Lys Arg Arg Phe Leu Arg Gly Leu Arg  
65 70 75 80

Glu Asn Ala Gly Phe Gln Glu Cys Glu His Gly Val Val Arg Thr His  
85 90 95

Gly Gly Gly Trp Thr Ala Phe Arg Val Lys Pro Leu Met Asp Ser Gly  
100 105 110

Cys Phe Ala Cys Ile Leu Asp Glu Asn Ser Glu Gly Ile Ile Asn Tyr  
115 120 125

Leu Glu Gln Val Cys Gly Ile Gly Leu Glu Pro Gly Met Pro Leu Pro  
130 135 140

Ala Pro Leu Pro Thr Leu Val Pro Pro Thr Arg Ser Ala Tyr Ala Arg  
145 150 155 160

Ala His Arg Leu Gly Val Pro Glu Ala Pro Leu Pro His Gln Ile Val  
165 170 175

Pro Phe Trp Arg Leu Arg Ile Gln Val Phe Tyr Phe Gly Val Leu Ala  
180 185 190

Leu Asp His Thr Ser Gln Asp Arg Arg Gly Val Arg Leu His Pro Arg  
195 200 205

Pro Val Pro Arg Pro Gly His Leu Cys Phe Tyr Gly Thr Gly Phe Thr  
210 215 220

Val Trp Phe Pro Ser Pro Asp Pro Gly Lys Leu Thr Pro Asp Gln Ile  
225 230 235 240

Thr Gln Ile Asn Thr Met Leu Val Thr Tyr Asn Glu Gly Ile Tyr Val  
245 250 255

His Gly Asn Glu Thr Gly Val Tyr Val Asp Asn Arg Asn Arg Glu Thr  
260 265 270

Leu Tyr Ala Ala Gly Asn Asp Cys Asn Gly Asp Ile Ile Gln Arg Glu  
275 280 285

Val Met Phe Leu Ser Lys Gln Gln Ile Phe Tyr Phe Met Gly Phe Met  
290 295 300

Arg Lys Leu Ala Arg Ser Pro Val Pro Glu Ser His Ala Pro Cys Asn  
305 310 315 320

Gly Ala Thr Leu Tyr Leu Ser Gln Gln Pro Gly Ala Gln Glu Ser Pro  
325 330 335

Gln Val Pro Ile Ser Val Val Cys Gln Asp Glu Leu Val Gln Gly  
340 345 350

Gln Met Asn Pro Ser Arg Trp Cys Ala  
355 360

<210> 106  
<211> 135  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 106

Met Ala Leu Trp Tyr Arg Gly Ala Gly Lys Leu Ser His Glu Thr His  
1 5 10 15

Glu Ile Lys Asn Leu Leu Phe Arg Glu Glu His Asp Leu Ser Leu Asn  
20 25 30

Asn Ile Thr Ile Thr Val Val Thr Arg Ser Val Lys Arg Phe Pro Val  
35 40 45

Pro Ile Ile Asp Val His Ser Gly Phe Ile Ala Val Tyr Val Asp Ala  
50 55 60

Leu Val Ile Arg Asp Gln His Cys Val Tyr Leu Arg Tyr Leu Ile Trp  
65 70 75 80

Ser Gln Phe Ser Arg Ile Trp Arg Trp Lys Pro Asn Gly Lys Pro Gly  
85 90 95

Ala Val Lys Thr Gln Met Thr Gly Thr Trp Asn Arg Ala Arg Met Gln  
100 105 110

Thr Asn Thr Ser Ser Ile Leu Gly Arg Met Ile Gln Cys Gln Asn Ala  
115 120 125

Lys Ile Lys His Leu Asn Ser  
130 135

<210> 107  
<211> 385  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 107

Met Ala Ala Gly Glu Ser Arg Arg Gly Pro Ser Arg Tyr Gly Met Ala  
1 5 10 15

Leu Arg Glu Trp Leu Ile Ser Lys Ala Asp Ser Gly Phe Tyr Pro Gly  
20 25 30

Leu Phe Trp Ala Asp Glu His Lys Thr Arg Leu Val Leu Ala Ala Thr  
35 40 45

Ser Pro Ser Leu Pro Asn Tyr Asp Tyr Gln Arg Asp Gly Gln His Tyr  
50 55 60

Asp Ala Tyr Cys Asp Leu Arg His Ile Pro Leu Pro Ser Gly Arg Gly  
65 70 75 80

Arg Leu Cys Gln Ala Lys Gly Arg Leu Leu Gly Ala Ile Arg Lys Ser  
85 90 95

Lys Tyr Phe Asp Glu Asp Lys Asp Phe Pro Thr Asp Gln Phe Pro Phe  
100 105 110

Thr Ala Val Val Phe Arg Leu Arg Ser Phe Glu Glu Met Ser Cys Pro  
115 120 125

Val Cys Pro Arg Val Asp Ala Leu Arg Leu Glu Leu Arg Asn Met Arg  
130 135 140

Phe Ala Met Leu Gly Arg Gly Met Leu His Ala Phe Pro Glu Ser Ser  
145 150 155 160

Val Gly Asp His Glu Ala Arg His Leu Glu Gly Gln Glu Gly Gly Asp  
165 170 175

Asp Ala Arg Asp Asp Asp Ala Pro Tyr Ser Ser Gly Val Leu Arg Ala  
180 185 190

Arg Leu Met Ala Cys Ala Ala Pro Ser Ala Gly Asp Pro Trp Gly His  
195 200 205

Met His Ile Lys Ile Tyr Tyr Gly Gln Leu Gln Ala Glu Leu Ser  
210 215 220

Thr Ala Thr Gly Gln Gly Ile Arg Leu Ser Ser Arg Pro Thr Asn Lys

225

230

235

240

Ser Gly His His Val Cys Val Leu Asp Gly Pro Leu Gln Ala Trp Phe  
245 250 255

Pro Pro Ile Pro Gln Ile Thr Asp Thr Ser Met Gly Gln Arg Leu Glu  
260 265 270

Asp Ala Leu Lys Trp Leu Val Asp Gly Ile Ile Phe Cys Ser Thr Ser  
275 280 285

Arg Gly Ile Val Phe Thr Ile Thr Gly Ala Pro Asn Val Trp Phe Gln  
290 295 300

Gly Asn Thr Val Glu Pro Arg Asn Phe Pro His Arg Ala Tyr Thr Gly  
305 310 315 320

Met His Val Trp Ala Phe Asp Thr Asp Arg Tyr Leu Leu Asp Ile Ala  
325 330 335

Arg Ser Pro Ser Pro His Asp Thr Asp Pro Pro Ala Ala Phe Val Lys  
340 345 350

Leu Trp Val Ser Gly Cys Ser Leu Gly Glu Glu Arg Asn Val Ser Arg  
355 360 365

Ala Pro Leu Ser Met Thr Val His Gln Thr Glu Ile Tyr Arg His Phe  
370 375 380

Glu  
385

<210> 108  
<211> 81  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 108

Met Thr Gln Leu Arg Pro Tyr Cys Asp Lys His Arg Glu Ser Gly Thr  
1 5 10 15

Arg Val Leu Leu Trp Pro Phe Cys Gln Met Asn Pro Thr Gly Asn Ile  
20 25 30

Tyr Phe Leu Gln Tyr Gly Ala Lys Val Glu Thr Glu Val Leu Pro Val  
35 40 45

Val Pro Glu Ala Pro Pro Arg Thr Pro Asp Gly Pro Ser Ser Pro Leu  
50 55 60

Leu Leu Pro Val Ala Leu Ser Pro Val Ser Thr Asp Thr Ser Ser His  
65 70 75 80

Thr

<210> 109  
<211> 390  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 109

Met Ala Glu Gln Asn Met Asp Leu Lys Ala Trp Phe Ile Asp Ala Val  
1 5 10 15

Glu Ser Arg Arg Tyr Pro Gly Val Val Trp Asp Asp Asp Asp Arg Thr  
20 25 30

Ile Ile Arg Ile Pro Trp Asn Arg Ser Thr Asp Ser Arg Ile Asp Glu  
35 40 45

Glu Tyr Asn Lys Ile Phe Asp Asp Phe Cys Leu Ala Arg Gly Val Cys  
50 55 60

Gln Ser Gly Ser Thr Ala His Ala Asn Lys Phe Lys Lys Ile Arg Met  
65 70 75 80

Leu Tyr Ala Val Arg Ser His Arg Tyr Leu Arg Glu Leu Thr Pro Pro  
85 90 95

Ser Lys Ala Gly Gly Val Ser Gly Glu Arg Tyr Arg Leu Phe Gln Leu  
100 105 110

Leu Pro Glu Val Thr Asn Gly Cys Asp Leu Cys Asn Leu Ile Ala Thr  
115 120 125

Thr Ser Leu His Ser Cys Ser Met Gly Ser Gly Val Arg Asp Asp Phe  
130 135 140

Phe Glu Gln Ala Arg Arg Pro Arg Ala Arg Leu Pro Leu Arg Val Ser  
145 150 155 160

Ile Gln Arg Arg Lys Ala Arg Leu Gln Gly Ser Pro Ala Gln Ala Ala  
165 170 175

Pro Gly Ala Ile Glu Val Ser Phe Phe Tyr Phe Gly Glu Asn Val Gly  
180 185 190

Val Glu Ile Leu Arg Ser Gly Cys Gly Val Arg Ile Cys Gly Leu Pro  
195 200 205

Asp Pro Lys Arg Pro Gly His Leu Cys Cys Ala Asp Asn Pro Leu Thr  
210 215 220

Arg Phe Leu Pro Ser Ala Gln Leu Val Pro Cys Glu Phe Ala Arg Ala  
225 230 235 240

Asp Leu Gln Ala Leu Gln Lys Thr Cys Glu Arg Gly Leu Ile Cys Val  
245 250 255

Met Val Glu Ser Gly Ile Cys Val Lys Asn Leu Glu Glu Arg Asn Met  
260 265 270

Thr Ala Leu Thr Asn Tyr Ser Glu Asn Tyr Tyr Glu Leu Gln Pro Thr  
275 280 285

Gln Gln Phe Gln Val Phe Asp Leu Leu His Tyr Leu Arg Ala Leu Ala  
290 295 300

Arg Ser Pro Thr Pro Gly Asp Leu Pro Pro Arg Asp Cys Ala Trp Ile  
305 310 315 320

Phe Leu Cys Pro Ser Thr Gln Ser Glu Asn Thr Trp Asp Ala Pro Ile  
325 330 335

Ala Leu Lys Leu Arg Tyr Val Cys Asp Asp Val Ser Val Glu Thr Gly  
340 345 350

Asp Ser Ala Thr Gly Ser Asn Ser Gly Asp Glu Gly Pro Ser Gly Val  
355 360 365

Arg Gly Gly Ala Ser Gly Thr Thr Gly Ser Thr Ser Val Ser Thr Phe  
370 375 380

Ala Pro Tyr Trp Arg Lys  
385 390

<210> 110  
<211> 86  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 110

Met Leu Arg Ser Ser Arg Phe Phe Thr Gln Ile Pro Asp Ser Thr Ile  
1 5 10 15

Thr Gln Ile Arg Pro Leu Ser His Val Phe Cys Arg Ala Cys Lys Ser  
20 25 30

Ala Leu Ala Asn Ser His Gly Thr Asn Cys Ala Asp Gly Arg Lys Arg  
35 40 45

Val Asn Gly Leu Ser Ala Gln His Arg Cys Pro Gly Arg Leu Gly Ser  
50 55 60

Gly Arg Pro His Ile Arg Thr Pro Gln Pro Glu Arg Lys Ile Ser Thr  
65 70 75 80

Pro Thr Phe Ser Pro Lys  
85

<210> 111  
<211> 91  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 111

Met Arg Leu Ser Val Asp Leu Phe His Gly Ile Arg Ile Met Val Leu  
1 5 10 15

Ser Ser Ser Ser His Thr Thr Pro Gly Tyr Arg Arg Asp Ser Thr Ala  
20 25 30

Ser Met Asn Gln Ala Phe Lys Ser Met Phe Cys Ser Ala Ile Ser Arg  
35 40 45

Val His His Leu Tyr Arg Ala Gly Gln Leu Lys Tyr Arg Ala His Arg  
50 55 60

Thr Thr Ser Leu Arg Asp Gln Lys Asn Leu Asp Leu Lys Glu Ala Tyr  
65 70 75 80

Leu Tyr Thr Pro Thr Gly Gln Leu Ser Asn Lys

85

90

<210> 112  
<211> 355  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 112

Met Ala Glu Gly Arg Ala Gly Ser Ile Arg Val Asn Arg Pro Ser Gly  
1 5 10 15

Leu Arg Ala Trp Leu Leu Asp Cys Cys Asp Asn Gly Lys His Pro Gly  
20 25 30

Met His Trp Leu Asn Glu Glu Lys Thr Leu Val Arg Leu Pro Trp Asn  
35 40 45

His Leu Lys Gly Ala Gly Gly Val Ser Glu Asn Glu Lys Asn Ile Phe  
50 55 60

Leu Asp Tyr Cys Gln Phe Lys Gly Ile Arg His Thr Gly Asn Arg Pro  
65 70 75 80

Leu Ser Leu Arg Glu Cys Lys Asn Trp Leu Ala Ser Ala Ile Arg His  
85 90 95

Ser Gln Thr Val Glu Asp Val Ser Thr Glu Glu Asn Leu Ser Ala Pro  
100 105 110

Ala Pro Tyr Arg Cys Arg Val Ile Arg Leu Leu Pro Ile Phe Val Arg  
115 120 125

Ser Cys Pro Leu Cys Asn Glu Ala Asp Ala Thr Gly Gly Met Leu Leu  
130 135 140

Asp Leu Arg Asn Glu Val Thr Ala Arg Phe Leu Tyr Leu Gly Ala Gly  
145 150 155 160

Arg Glu Tyr Glu Gly Ala Val Gly Ser Asp Gly Val Arg Cys Trp Met  
165 170 175

Ile Arg Leu Val Ile Tyr Tyr Gly Arg Leu Val Gly Asn Met Glu  
180 185 190

Val Gly Ser Pro Asn Gly Val Arg Leu Leu Pro Ala Pro Lys Gln Pro  
195 200 205

Leu Gln Gly His Val Cys Ala Gly Ile Lys Pro Glu Gln Val Met Leu  
210 215 220

Pro His Asn Pro His Asn Leu Leu Pro Tyr Gln Thr Ser Met Leu Arg  
225 230 235 240

Trp Leu Ala Lys Glu Ile Ile Arg Gly Leu Met Ile Tyr Ala Asp Gly  
245 250 255

Ser Gly Ile Tyr Val Arg Tyr Met Gly His Val Pro Ala Phe Leu Leu  
260 265 270

Gly Asn Gly Gly Ser Pro Glu Pro Val Asp Met Ile Asn Ser Gly Arg  
275 280 285

Val Ala Arg Val Phe Ser Leu Val Gln Tyr Leu Ser Ala Val Ser Ala  
290 295 300

Thr Pro Pro His Gly Thr Leu Phe Pro Ala Ala Tyr Ala Ser Leu His  
305 310 315 320

Ile Gly Gly Val Pro Thr Pro Glu Gly Glu Pro Cys Pro Thr Ile Pro  
325 330 335

Leu Ser Ile Gln Met Trp His Glu Cys Leu Trp Arg Ala Cys Gly Asp  
340 345 350

Ala Ala Met  
355

<210> 113  
<211> 364  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 113

Met Ala Glu Ser Glu Ile Thr His Asn His Leu Arg Arg Trp Ile Ile  
1 5 10 15

Ser Asn Leu Glu Ala Asn Thr Tyr Pro Asp His Leu Arg Trp Cys Asp  
20 25 30

Glu Glu Lys Arg Ser Phe Lys Leu Ser Trp His Arg Gly Met Gln Gly  
35 40 45

Met Gln Pro Val Val Ala Tyr Cys Leu Asp Arg Asp Leu Gln Cys Gly  
50 55 60

Arg Gln His Asn Val Ser Asp Cys Arg Lys Arg Leu Leu Arg Val Leu  
65 70 75 80

Arg Glu Asn Ala Gly Phe Glu Gln Asp Asp Thr Arg Ala Thr Thr Thr  
85 90 95

Asn Ser Gly Gly Glu Arg Phe Phe Tyr Leu Lys Pro Ala Val Asp Pro  
100 105 110

Leu Cys Tyr Ala Cys Ile Leu Asp Ser His Ser Glu Thr Val Ile Asn  
115 120 125

Tyr Leu Glu Ala Ala Cys Val His Gly Leu Glu Pro Trp Thr Pro Leu  
130 135 140

Pro Pro Gln Ala Pro Ala Glu Ala Ser Gly Ala Ala Arg Ser Val Tyr  
145 150 155 160

Ala Arg Ala Ala Arg Leu Ala Ile Ala Ala Pro Pro His Pro Glu Gln  
165 170 175

Ile Thr Pro Phe Trp Arg Leu Arg Ile Gln Val Phe Tyr Phe Gly Ser  
180 185 190

Leu Val Ala Glu His Thr Gly Val Asp Arg Arg Gly Val Arg Leu His  
195 200 205

Lys Arg Gln Asp Pro Lys Ala Gly His Ala Cys Tyr Tyr Gly Thr Ala  
210 215 220

Phe Lys Met Trp Leu Pro Thr Pro His Glu Asn Gly Pro Leu Thr Pro  
225 230 235 240

Glu Gln Arg Glu Thr Val Cys Glu Ile Ile Asn Tyr Cys Glu Glu Gly  
245 250 255

Ile Phe Leu His Gly Asn Glu Leu Gly Ile Tyr Val Asp Asn Arg Thr  
260 265 270

Arg His Thr Leu Ser Cys Ala Gly Asn Asp Ala Glu Gly Asn His Ala  
275 280 285

Gln Arg Phe Val Arg Ser Cys Ala Lys Phe Gln Ile Phe Tyr Val Met  
290 295 300

Gly Leu Leu Arg Lys Leu Ala Leu Ser Pro Val Pro Gly Asp Pro Val  
305 310 315 320

Pro Ile Asn Ala Val Thr Leu Tyr Leu Gly Gly Arg Pro Gly Ser Arg  
325 330 335

Lys Arg Pro Gln Val Pro Val Ile Leu Val Ile Cys Gln Asp Glu Leu  
340 345 350

Thr His Gly Asp Ile Arg Pro Ala Arg Trp Ile Leu  
355 360

<210> 114

<211> 86

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 114

Met Ala Met Ser Trp Gly Tyr Met Trp Ile Thr Glu Gln Gly Thr Leu  
1 5 10 15

Phe Pro Ala Pro Gly Thr Thr Gln Arg Glu Thr Thr His Ser Val Leu  
20 25 30

Cys Asp Pro Val Pro Asn Phe Arg Phe Phe Met Leu Trp Val Tyr Cys  
35 40 45

Ala Asn Ser Pro Phe Pro Pro Phe Pro Ala Thr Arg Phe Pro Ser Thr  
50 55 60

Gln Ser Leu Phe Thr Leu Gly Val Ala Leu Ala Pro Val Lys Asp Pro  
65 70 75 80

Arg Ser Leu Ser Phe Trp  
85

<210> 115

<211> 102

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 115

Met Asp Leu Ser Leu Gly Arg Pro Tyr Arg Leu Lys Leu Arg Arg Arg

1

5

10

15

Leu Val Val Arg Arg Gly Pro Phe Met Pro Glu Pro Pro Gly Trp Gln  
20 25 30

Leu Pro Arg His His Thr Arg Ser Arg Ser Leu His Phe Gly Gly Tyr  
35 40 45

Val Tyr Lys Phe Phe Ile Leu Asp Arg Trp Trp Arg Asn Thr Arg Ala  
50 55 60

Trp Ile Val Glu Gly Tyr Ala Cys Ile Ser Ala Lys Thr Gln Lys Leu  
65 70 75 80

Ala Met Arg Val Ile Met Gly Gln Arg Leu Arg Cys Gly Phe Gln Arg  
85 90 95

Arg Met Arg Met Asp His  
100

<210> 116

<211> 360

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 116

Met Gly Thr Tyr Thr Ser Glu Ala Ser Leu Ala Trp Leu Ser Phe Met  
1 5 10 15

Ser Gly Thr Val Ala Ala Ser Pro Phe Ile Leu Cys Phe Ile Tyr His  
20 25 30

Ser Leu Tyr Phe Leu Glu Pro Leu Asn Ser Val Glu Asn Ile Ile Phe  
35 40 45

Ser Trp Gly Ala Val Gly Leu His Gly Leu Leu Leu Val Cys Val  
50 55 60

Val Gly Pro Pro Ala Trp Leu Ser Arg Gln Val Asp Val Pro Cys Thr  
65 70 75 80

Ile Ser Ala Ile Leu Ile Thr Ala Gly Ser Met Ala Ser Thr Leu Gly  
85 90 95

Val Asp Leu Pro Trp Val Tyr Val Ser Phe Phe Val Gly Ser Cys Leu  
100 105 110

Cys Leu Leu Leu Cys Val Val Val Ala Asn Asp Val Val Tyr Leu Cys  
115 120 125

Pro Thr Ile Ala His Arg Tyr Tyr Glu Leu Gly Phe Phe Ala Ala Phe  
130 135 140

Ser Val Tyr Tyr Phe Leu Val Leu Lys Asn Leu Phe Leu Ala Pro Val  
145 150 155 160

Phe Leu Leu Pro Leu Val Ala Phe Ile Val Gly Gly Val Cys Ser Leu  
165 170 175

Arg Ala Leu Arg Ser His Pro Leu Tyr Glu Ala Gly Leu Gln Arg Arg  
180 185 190

His Ala Ile Phe Ser Leu Thr Ser Arg Arg Tyr Ile Thr Tyr Ser Ile  
195 200 205

Lys Gln Ala Leu Glu Val Cys Gly Trp Asp Phe Tyr Leu Val Thr Val  
210 215 220

Leu Ile Gly Gly Ala Ala Gly Thr Leu Ser Val Gly Leu Thr Thr  
225 230 235 240

Pro Leu Leu Leu Gly Leu Val His Tyr Phe Phe Val Phe His Val Gly  
245 250 255

Leu Phe Cys Cys Ile Gly Leu Val Phe Arg Ser Asn Val Leu Ala Leu  
260 265 270

Val Tyr Val Leu Ala Ala Ala Val Leu Leu Thr Leu Thr His Val Leu  
275 280 285

Gly Pro Gly Thr His Asn Leu Phe Thr Arg Val Cys Val Phe Thr Val  
290 295 300

Phe Leu Leu Thr Met Phe Gly Ala Ile Gly Cys Glu Leu Gln Ile Ile  
305 310 315 320

Arg Lys Lys Leu Gln Arg Ala Ala Asn Ser Pro Arg Ile Val Leu Gly  
325 330 335

Val Cys Ala Cys Gly Asn Leu Leu Met Ala Val Val Phe Phe Ser Leu  
340 345 350

Asn Lys Val Glu Leu Val Ala Leu  
355                           360

<210> 117  
<211> 394  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 117

Met Pro Val Ser Phe His Tyr Gly Ala Arg Val Asp Val Asp Ala Leu  
1                           5                           10                           15

Gly Asn Ile Ser Lys Val Tyr Asp His Ile Lys Gly Ile Val Lys Lys  
20                           25                           30

Gly Val Ile Gln Ile Ser Gly Gln Gly Arg Ala Pro Val Leu Ser Val  
35                           40                           45

Leu Ser Ser Val Gly Asp Ala Gly Val Leu Gly Leu Arg Leu Lys Asn  
50                           55                           60

Ala Leu Ala Pro Leu Met Val Tyr Ser Asp Met Thr Asp Glu Val Ser  
65                           70                           75                           80

Phe Ser Phe Arg Asn Thr Ser Leu Gly Asn Thr Phe Thr His Thr Arg  
85                           90                           95

Glu Met Phe Gly Val Asn Ile Thr Glu Met Asn Val Ala Phe Tyr His  
100                           105                           110

His Gly Asp Glu Ser Asn Ala Glu Gly Lys Pro Gln Phe Val Arg Thr  
115                           120                           125

Thr Ile Ala Tyr Gly Asp Asn His Thr Ser Thr Val His Lys Ser Val  
130                           135                           140

Val Asp Glu Pro Asn Leu Pro Ser Phe His Asp Arg Leu Glu Gln Ala  
145                           150                           155                           160

Gly Thr Gly Asn Arg Leu Phe Leu Thr Val Lys Thr Leu Thr Leu Leu  
165                           170                           175

Ser Lys Trp Leu Arg Gln Gln Lys Thr Arg Ala Lys Gln Val Val Thr  
180                           185                           190

Val Ser Leu Ser Glu Thr Leu Ala Val Ala Thr Phe Thr Val Asp Gly  
195 200 205

Val Ser Lys Ile Ile Asp Phe Lys Pro Asp Thr Pro Asp Ala Lys Trp  
210 215 220

Thr Cys Ala Lys Gly Arg Lys Leu Asp Val Gly Val Val Ser Ser Asp  
225 230 235 240

Leu Thr Thr His Val Ser Leu Glu Ser Leu Val Ala Ala Leu Asn Ala  
245 250 255

Cys Lys Ile Pro Gly Phe Phe Leu Pro Gly Phe Arg Trp His Ala Asn  
260 265 270

Glu Ile Leu Glu Val Glu Gly Leu Pro Leu Thr Asp Ser Leu Ala Asp  
275 280 285

Val Lys Leu Gly Val Met Leu Leu Lys Val Asp Pro Thr Asp Arg Asn  
290 295 300

Asn Ala Val Pro Gly Asn Leu Ser Glu Gly Ala Asp Pro Glu Gly Val  
305 310 315 320

Pro Glu Leu Pro Ser Pro Pro Arg Thr Pro Asp Leu Asp Leu Lys Glu  
325 330 335

Gln Cys Val Pro Asn Ala Glu Asp Gly Thr Glu Pro Thr Asp Gly Gly  
340 345 350

Ala Lys Ser Leu Arg Thr Ser Gly Ser Arg Pro Glu Lys Lys His Gly  
355 360 365

Lys Arg Lys His Ser Ser Ser Pro Ser Arg Gly Lys Ala Lys Thr Lys  
370 375 380

Thr Pro Arg Ala Thr Phe Asn Pro Leu Phe  
385 390

<210> 118  
<211> 80  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 118

Met Leu Thr Pro Asn Ile Ser Arg Val Trp Val Asn Val Phe Pro Arg  
1 5 10 15

Glu Val Phe Arg Lys Leu Lys Leu Thr Ser Ser Val Met Ser Glu Tyr  
20 25 30

Thr Ile Ser Gly Ala Ser Ala Phe Leu Ser Arg Arg Pro Arg Thr Pro  
35 40 45

Ala Ser Pro Thr Leu Glu Ser Thr Leu Arg Thr Gly Ala Leu Pro Trp  
50 55 60

Pro Leu Ile Cys Ile Thr Pro Phe Leu Thr Met Pro Leu Met Trp Ser  
65 70 75 80

<210> 119  
<211> 314  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 119

Met Ser Gly Leu Ser Ile Val Thr Ala Ala Met Glu Ser Pro Asp Arg  
1 5 10 15

Phe Leu Tyr Ala Ser Asp His Pro Gly Phe Leu Ala Leu Thr Gln Glu  
20 25 30

Thr Trp Gln Asn Arg Trp Phe Pro Ser Gln Ile Ser Leu His Glu Asp  
35 40 45

Ser Asp Glu Val Arg Leu Leu Ser Pro Thr Asp Arg Glu Phe Tyr Gln  
50 55 60

Phe Leu Phe Thr Phe Leu Gly Met Ala Glu Ser Leu Val Asn Phe Asn  
65 70 75 80

Ile Glu Asp Leu Val Lys Glu Phe Ser Asn His Asp Val Thr His Tyr  
85 90 95

Tyr Ala Glu Gln Val Ala Met Glu Asn Ile His Gly Lys Val Tyr Ala  
100 105 110

Asn Ile Leu Asn Leu Phe Phe Gly Gly Asn Arg Gly Asp Leu Met Thr  
115 120 125

Tyr Ala Lys Lys Ile Val Glu Asp Ala Thr Leu Ala Lys Lys Ile Asp

130

135

140

Trp Leu His Ser Arg Val Arg Lys Ala Thr Thr Arg Ala Glu Lys Val  
145 150 155 160

Leu Leu Phe Leu Val Ile Glu Gly Ile Tyr Phe Ile Ser Ser Phe Tyr  
165 170 175

Ser Ile Gly Leu Phe Arg Leu Arg Gly Val Met Arg Gly Val Cys Leu  
180 185 190

Ala Asn Asp Tyr Ile Ser Arg Asp Glu Leu Leu His Thr Arg Ala Ala  
195 200 205

Gly Leu Leu Tyr Asn Thr Met Ile Ser Arg Asp Glu Ser Pro Ser Val  
210 215 220

Ala Tyr Ile His Gly Leu Phe Arg Glu Ala Val Glu Ile Glu Thr Leu  
225 230 235 240

Phe Ile Arg Ser Lys Ser Arg Gly Val Thr Met Val Asn Val Gly Asp  
245 250 255

Ile Glu Gln Phe Leu Gln Ala Thr Ala Asp Arg Ile Leu Lys Ser Ile  
260 265 270

Asn Val Pro Pro Leu Phe Gly Ala Arg Pro Pro Asn Ala Cys Pro Leu  
275 280 285

Ser Tyr Thr Ser Ala Lys Ser Val Asn Phe Phe Glu Arg Asp Asn Ser  
290 295 300

Glu Tyr Val Thr Ser Val His Asn Asp Leu  
305 310

<210> 120

<211> 788

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 120

Met Asn Thr Glu Thr Ser Phe Ser Ala Ala Lys Ser Ala Lys Pro Leu  
1 5 10 15

Thr Leu Val Thr Asn Ala Glu Thr Gly Gly Cys Ser Ser Ser Leu Asp  
20 25 30

Pro Glu Arg Cys Ala Glu Ser Leu Val Asn Ser Leu Lys Ala Thr Leu  
35 40 45

Gly Trp Asp Val Glu Ala Asn Ser Leu Thr Gly Leu Leu Trp His Arg  
50 55 60

Ile Met Glu Asp Arg Cys Leu Val Thr Val Lys Asp Tyr Leu Thr Val  
65 70 75 80

Phe Gly Glu Lys Leu Ser Asp Glu Val Arg Glu Phe Met Leu Lys His  
85 90 95

Glu Ala Ala Leu Asp Gly Leu Leu Gln Asp Phe Lys Gln Ser Lys Ala  
100 105 110

Tyr Ala Asn Leu Val Asn Cys Gly Tyr Leu Ser Ala Val Arg Phe Tyr  
115 120 125

Asp Thr Tyr Val Leu Arg Thr His Gly Ser Ser Pro Ile Phe Glu Ser  
130 135 140

Val Ala Gln Met Phe Met Arg Val Ala Val Phe Val Ala Cys Gln Cys  
145 150 155 160

Ile Lys Phe Pro Cys Leu Arg Lys Thr Leu Arg His Leu Val Gln Ser  
165 170 175

Glu Thr Glu Leu Asp Glu Met Tyr Leu Val Gly Tyr Ala Phe His Tyr  
180 185 190

Ile Ser Ser Gln Ile Val Cys Cys Ala Thr Pro Val Leu Arg Ser Ala  
195 200 205

Gly Leu Arg Gly Gly Gln Leu Ser Ser Cys Phe Ile Leu Lys Pro Ser  
210 215 220

Met Ala Thr Glu Asn Lys Thr Leu Lys Ala Leu His Glu Glu Met Ser  
225 230 235 240

Pro Leu Leu Ala Ser Lys Ser Gly Val Gly Ile Asp Val Ser Ser Phe  
245 250 255

Ala Glu His Lys Asn Ile Thr Ser Cys Leu Lys Leu Ile Asn Ala His  
260 265 270

Val Gly Tyr Phe Asn Asp Asn Asn Ile Arg Pro Val Gly Ala Ser Ala  
275 280 285

Tyr Met Glu Leu Trp His His Gln Ile Cys Asp Phe Leu Asn Ala Lys  
290 295 300

Met Pro Glu Asn Gln Glu Arg Cys His Asn Leu Phe Gln Gly Val Cys  
305 310 315 320

Val Pro Glu Leu Phe Phe Arg Leu Tyr Glu Thr Asn Pro Asp Gly Gln  
325 330 335

Trp His Leu Phe Ala Pro Glu Val Ala Pro Asn Leu Leu Lys Leu Tyr  
340 345 350

Gly Ala Glu Phe Glu Ile Glu Tyr Asn Arg Leu Val Ala Ala Gly Lys  
355 360 365

His Ser Ser Ser Leu Pro Leu Lys Ser Met Met Tyr Ala Leu Ile Asn  
370 375 380

Thr Val Ile Lys Thr Gly Ser Pro Tyr Val Leu Leu Lys Glu Ala Leu  
385 390 395 400

Asn Lys His His Trp Cys Glu Thr Gln Gly Ser Ala Ile Asn Cys Ser  
405 410 415

Asn Leu Cys Ala Glu Ile Val Gln Gln Pro Glu Gly Gln Ala Ser Val  
420 425 430

Cys Asn Leu Ala Asn Ile Ser Leu Pro Lys Cys Leu Arg Pro Pro Arg  
435 440 445

Gly Lys Ser Gly Val Glu Pro Gly Lys Gly Asp Val Thr Phe Gly Phe  
450 455 460

Glu Leu Leu Asp Asp Ala Val Glu Ala Ala Val Ile Ile Val Asn Ala  
465 470 475 480

Cys Ile Leu Gly Gly Thr Ala Pro Thr Glu Ser Val Arg Arg Gly Gln  
485 490 495

Lys Glu Arg Ser Met Gly Ile Gly Val Gln Gly Leu Ala Asp Val Phe  
500 505 510

Ala Glu Leu Gly Phe Gly Tyr Leu Asp Ala Glu Ser Ala Lys Leu Asp  
515 520 525

Val Glu Ile Phe Gln Ala Met Tyr Phe Ala Ala Val His Thr Ser His  
530 535 540

Glu Ile Val Leu Leu Gly Glu Gly Thr Pro Phe His Gly Trp Glu Arg  
545 550 555 560

Ser Arg Leu Ala Gln Gly Val Phe His Trp Gln Thr Trp Asp Gly Val  
565 570 575

Lys Pro Ser His Pro Pro Leu Glu Arg Trp Glu Gln Leu Gly Arg Ser  
580 585 590

Ile Ala Gln His Gly Ile Phe Asn Ser Gln Phe Leu Ala Leu Met Pro  
595 600 605

Thr Ala Gly Thr Ser Gln Leu Thr Gly Tyr Thr Glu Ala Phe Tyr Pro  
610 615 620

Phe Phe Ala Asn Ile Ala Ser Lys Val Thr Ser Lys Glu Glu Ile Leu  
625 630 635 640

Lys Pro Asn Val Thr Phe Phe Lys Arg Val Lys Pro Gly Asp Leu Arg  
645 650 655

Thr Val Arg Arg Tyr Gly Gly Asp Val Ala Ser Phe Pro Glu Pro Leu  
660 665 670

Lys Asp Arg Tyr Lys Ile Phe Leu Thr Ala Phe Asp Tyr Cys Pro Ile  
675 680 685

Lys Gln Leu Glu Arg Ala Gly Ala Arg Ala Pro Phe Val Asp Gln Ser  
690 695 700

Gln Ser Leu Asn Phe Phe Leu Lys Glu Glu Gln Ala Thr Arg Ala Ser  
705 710 715 720

Tyr Ile Arg Asp Leu Leu Leu Thr Gly Tyr Arg Leu Gly Leu Lys Thr  
725 730 735

Met Leu Tyr Tyr Cys Arg Ile Gln Lys Gln Thr Lys Leu Asn Ala Leu  
740 745 750

Gln Cys Leu Asp Gln Val Val Gly Asp Asn Thr Ser Ser Glu Gly Ala  
755 760 765

Glu Ser Asn Arg Val Gln Lys Ala Asp Gly Glu Gln Ala Glu Val Cys  
770 775 780

Leu Ala Cys Gln  
785

<210> 121  
<211> 138  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 121

Met Thr Pro Trp Arg Pro Gln Leu Leu Leu Ser Met Arg Ala Phe Trp  
1 5 10 15

Ala Gly Arg Arg Leu Pro Arg Ala Leu Gly Ala Ala Arg Arg Asn Asp  
20 25 30

Gln Trp Ala Leu Ala Ser Lys Asp Trp Pro Thr Cys Leu Pro Asn Ser  
35 40 45

Ala Leu Ala Thr Leu Thr Pro Arg Ala Pro Ser Trp Thr Trp Arg Phe  
50 55 60

Phe Arg Gln Cys Ile Leu Arg Arg Cys Thr Arg Val Thr Arg Leu Phe  
65 70 75 80

Tyr Leu Ala Arg Gly Leu Arg Phe Met Asp Gly Ser Gly Val Asp Trp  
85 90 95

Leu Arg Val Cys Phe Thr Gly Lys Arg Gly Thr Ala Leu Ser Arg Pro  
100 105 110

Thr Arg Pro Trp Lys Asp Gly Ser Ser Trp Gly Ala Ala Ser Pro Ser  
115 120 125

Met Glu Phe Ser Thr Ala Ser Phe Trp Arg  
130 135

<210> 122  
<211> 97  
<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 122

Met Glu Arg Val Thr Asn Gln Val His Leu Val Gln Leu Arg Phe Thr  
1 5 10 15

Leu His Gln Val Ser Glu Gly Leu Pro Gln Thr Arg Lys Phe Tyr Ala  
20 25 30

Leu Thr Gly His Lys Asn Ser His Pro His Lys His Leu Gly Asn Ala  
35 40 45

Leu Lys Asn Gly Arg Arg Ala Met Gly Ser Gln His Val Arg Ile Val  
50 55 60

Lys Pro Asp Gly Arg Gln Val Ala Ala Val Asn Glu Ile Cys Val Cys  
65 70 75 80

Leu Ala Leu Leu Lys Val Leu Gln Lys Thr Val Lys Gly Arg Phe Val  
85 90 95

Phe

<210> 123

<211> 331

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 123

Met Lys Thr Arg Asp Ala Asn Val Asn Lys Leu Asn Asp Ser Leu Met  
1 5 10 15

Arg Leu Leu Pro Pro Pro His Arg Val Ser Leu Ser Arg Gly Arg  
20 25 30

Asp Phe Ser Lys Gly Val Arg Asp Leu Leu Ser Lys Tyr Val Val Ser  
35 40 45

Thr Thr Thr Gly Val Glu Ala Ile Lys Asp Gly Phe Leu Ser Val Ser  
50 55 60

Pro Lys Cys Gln Thr Tyr Gly Asp Phe Leu Ile Tyr Ser Gln Thr Met  
65 70 75 80

Ser Ser Gln Glu Pro Arg Gly Thr Tyr Leu Phe Ser Phe Lys Gln Thr

85

90

95

Asp Thr Gly Ser Ser Ile Asp Met Leu Phe Thr Pro Thr Ser Leu Ala  
100 105 110

Arg Leu Ser Arg Met Asp Ala Asp Ser Ala Pro Gln Thr Asn Arg Ile  
115 120 125

Ala Cys Val Trp Tyr Gly His Glu Ser Gly Leu Leu Asp Ala Ile Pro  
130 135 140

Asn Phe Glu Glu Leu Leu Glu Thr Gly Ser Leu His Gln Phe Leu Ala  
145 150 155 160

Pro Val Gly Pro Leu Val Gln Thr Val His Ser Thr Phe Val Thr Lys  
165 170 175

Val Thr Ser Ala Leu Lys Gly Asp Val Val Ala Arg Glu Pro Val Val  
180 185 190

Thr His Ile Gly Leu Thr Leu Pro Ser Asp Met Phe Val Asp Leu Asp  
195 200 205

Asp Ser Cys Pro Ser Ser Leu Arg Asp Glu Pro Leu Pro Ala His Ser  
210 215 220

Ser Ile Tyr Val Cys Leu Thr Tyr Ile Arg Ala Asn Asn Arg Pro Ala  
225 230 235 240

Leu Gly Leu Gly Phe Phe Lys Ser Gly Lys Gly Tyr Cys Glu Ile Ala  
245 250 255

Ala Gln Leu Arg Asp Phe Tyr Ser Gly Val Ile Arg Thr Lys Tyr Ile  
260 265 270

Gln Leu Gln Asn Asp Leu Tyr Ile Asn Arg Leu Ala Phe Gly Val Val  
275 280 285

Cys Arg Leu Gly Ser Val Pro Ser Gly Ser Gln Pro Ser Phe Gln Ser  
290 295 300

Leu His Phe Lys Gly Ala Ala Leu Pro Val Leu Lys Phe Thr Glu Phe  
305 310 315 320

Val Ser Asn Pro Gly Ser Trp Lys Leu Phe Leu

<210> 124  
<211> 939  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 124

Met Thr Ser Ser Ile Ser Ala Ala Arg Ala Asp Asn Gly Asp Glu Asn  
1               5                   10                   15

Thr Gly Gly Leu Tyr Arg Leu Ile Asp Asn Leu Leu Thr Cys Thr Gly  
20              25                   30

Ser Leu Gln Gln Leu Lys Leu Leu Met Glu Phe Gln Leu Lys Pro Leu  
35              40                   45

Pro Thr Ala His Leu Leu Ser Met Pro Thr Val Thr Arg Phe Leu Asn  
50              55                   60

Thr Ala Phe Lys Ile Asp Asn Pro Leu Val Ser Phe Ile Gln Lys His  
65              70                   80

Pro Val Phe Phe Leu Met Arg Val Ala Arg Leu Pro Asp Pro Val Ile  
85              90                   95

Thr Asp His Gln Ser Ala Glu Thr Ser Thr Gly Ile Leu Ser Glu Val  
100             105                   110

Val Asn Val Leu Asn Ile Ala Ile Gln Lys Pro His Glu Ser Pro Ala  
115             120                   125

Ala Lys Asp Asp Asp Tyr Leu Asp Asn Arg Ala Ile Leu Thr Met Ile  
130             135                   140

Thr Glu Tyr Ile His His Val Thr Ser Arg Thr Pro Ser Gly Ile Pro  
145             150                   155                   160

Pro Thr Pro Pro Met Gly Ile Ser His Leu Pro Cys Val Glu Gln Ile  
165             170                   175

Leu His Glu Thr His Arg Gln Tyr Trp Asn Leu Ala Leu Pro Glu Ser  
180             185                   190

Leu Phe Ile Asp Thr Gly Glu Val Ala Ser Pro Leu Gln Thr Trp Leu  
195             200                   205

Ile Ile Ser Tyr Cys Lys Lys Leu Gln Leu Ala Pro Pro Pro Leu Phe  
210 215 220

Pro Pro Ala Asp Glu Leu Ala Arg Arg Leu Val Thr Gly His His Glu  
225 230 235 240

Leu Phe Val Pro Leu Ser Thr Ser Leu Glu Thr Tyr Ile Thr Met Pro  
245 250 255

Val Ser Lys Arg Arg Ala Phe Glu Ile Tyr Ser Val Phe Ala Lys Ser  
260 265 270

Lys Asn Ile Val Asp Gly Thr Pro Ile Leu Ala Phe Thr Asp Thr Glu  
275 280 285

Leu Thr Thr Phe Thr Pro Glu Leu Leu Phe Leu Tyr Asp Phe Val Ile  
290 295 300

Glu Ser Leu Cys Lys Asn Gln Ala Tyr Gly Cys Ser Arg Asn Ala Ile  
305 310 315 320

Glu His Phe Ile Lys Lys Gly Ile Asp Phe Met Ala Glu Leu Gly Ala  
325 330 335

Phe Ile Glu Lys Thr Cys Gly Tyr Arg Ser Thr Val Ser Leu Ser Asn  
340 345 350

Val Arg Ser Val Lys Ala Arg Leu Ala Ser Cys Gly Leu Ser Lys Glu  
355 360 365

Ala Cys Glu Asp Phe Arg Thr Met Ile Leu Met Thr Pro His Glu Thr  
370 375 380

Thr Pro Lys Trp Glu Asn Phe Thr Asp Phe Leu Glu Met Val Asn Gln  
385 390 395 400

Leu Thr Leu Tyr Gly Phe Tyr Phe Tyr Glu Cys Leu Asn Gln Tyr Ser  
405 410 415

Pro Thr Ser Ile Ser Leu Ala Lys Ile Gln Asn Ile Leu Asn Arg Val  
420 425 430

Asp Ala Glu Gln Ser Asp Arg Ala Leu Trp Arg Thr Pro Leu Ile Gly  
435 440 445

Ser Phe Pro Phe Pro Trp Lys Leu Asn Asn Val Leu Ala Phe Phe Lys  
450 455 460

Pro Ser Ala Pro Val Ala Thr Leu Gln Lys Ile Tyr Lys Ala Ile Pro  
465 470 475 480

Ser Tyr Leu Met Arg Ser Leu Phe Glu Ile Ala Ala Asn Lys Ser Trp  
485 490 495

Gly Asn Ile Ala Leu Ala Glu Arg Ala Pro Leu Thr Asp Ile Gln Thr  
500 505 510

Ala Glu Pro Asp Gln Gly Pro Val Pro Thr Gln Val Ile Ala Lys Tyr  
515 520 525

Cys Ser Arg Leu Gln Ile Ser Ala Thr Asp Tyr Asp Ala Val Ile Val  
530 535 540

Ser Ser Pro Gly Phe Ala Thr Glu Phe Ile Arg Thr Lys Leu Tyr Pro  
545 550 555 560

Ile Leu Ser Glu Val Leu Arg Asn Thr Ser Lys Lys Asn Arg Ser Leu  
565 570 575

Phe Gln Leu Arg Trp Leu Ile Val Phe Ala Ala Glu Asp Ala Lys Asp  
580 585 590

Leu Ala Pro Ile Arg Arg Ser Leu Ala Leu Ala Tyr Phe Gln Ile Met  
595 600 605

Asp Ile Leu Glu Glu Lys His Ser Pro Glu Ser Phe Tyr Asn Leu Leu  
610 615 620

Asp Tyr Leu Gln Asp Thr Phe Arg Cys Ile Arg Gln Val Ile Pro Glu  
625 630 635 640

Ala Thr Cys Pro Gln Glu Phe Leu Gln Tyr Leu Phe Thr Phe Gln Asn  
645 650 655

Leu Pro Ile Ala Ala Ser Phe Ile Gln Thr Ser Met Thr Phe Val Asp  
660 665 670

Asp Leu Asn Asn Gly Ile Pro Gly Ile Leu Asp Leu Val Ser Leu Gly  
675 680 685

Ala Ala Phe Tyr Asn Met Lys Leu Leu Tyr Asp Ser Thr Leu Asp Thr  
690 695 700

Val Glu Ile Pro Thr Glu Glu Gly Gln Pro Ile Val Val Ser Met Phe  
705 710 715 720

Val Phe Lys Ser Thr Ile Arg Ile Leu Glu Lys Leu Leu Gln Glu Ala  
725 730 735

Val Ile Ala Leu Ala Gln Thr Ser Glu Pro Met Tyr Ala Ala His Ile  
740 745 750

Arg Leu Met Gln His Leu Thr Tyr Met Gln Lys Ile Ala Gly His Glu  
755 760 765

Ile Met Thr Thr Gln Leu Pro Ser Val Phe His Glu Ile His Glu Gly  
770 775 780

Tyr Leu Gln Cys Phe Lys Arg Phe Lys Arg Leu Met Leu His Val Thr  
785 790 795 800

Gly Ser Cys Cys Tyr Ser Leu Thr Arg Tyr Phe Gly Phe Leu Tyr Gln  
805 810 815

Pro Pro Leu Ile Pro Asp Thr Ile Val Gln Lys Ile Leu Asn Phe Asn  
820 825 830

Asp Lys Thr Asp Thr Asp Asp Ile Leu Lys Ser Leu Ser Gln Pro  
835 840 845

Val Gly Gln Glu Pro Leu Ser Ala Glu Asn Glu Ser Ser Ser Arg Leu  
850 855 860

Ser Lys Asn Asp Val Glu Leu Leu Gln Lys Leu Tyr Asp Asp Phe Arg  
865 870 875 880

Asn Gly Ser Thr Asn Asp Asn Pro Thr Ser Ile Lys Leu Glu Tyr Ser  
885 890 895

Gly Asn Tyr Asn Glu Thr Gln Val Ser Val Asp Trp Ser Thr Tyr Asn  
900 905 910

Leu Val Thr Tyr Thr Ala Pro Asp Asp Thr Leu Lys Phe Thr Pro Val  
915 920 925

Asn Thr Glu Ala Leu Asp Arg Met Leu Ala Glu  
930                           935

<210> 125  
<211> 1966  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 125

Met Glu Leu Pro Pro Ile Phe Ser Lys Phe Lys Ile Glu Gly Val Ala  
1                           5                           10                           15

Thr Thr His Gln Ala Asp Cys Arg Phe Gly Gln Tyr Ala Gly Ser Gln  
20                           25                           30

Cys Leu Ser Asn Cys Val Ile Tyr Leu Ala Gln Ser Tyr Phe Asn Arg  
35                           40                           45

Glu Ser Pro Val Thr Asp Thr Asn Asp Leu Asp Asp Val Leu Arg Gln  
50                           55                           60

Gly Ala Thr Leu Asp Phe Ile Leu Arg Arg Ser Gly Thr Leu Gly Tyr  
65                           70                           75                           80

Asn Gln Tyr Ala Gln Leu His His Ile Pro Ser Phe Ile Lys Thr Asn  
85                           90                           95

Glu Trp Ser Ala Ala Ile Phe Gln Ser Gln Glu Tyr Phe Gly Leu Ile  
100                           105                           110

Gly Leu Asp Ala Ala Ile Arg Glu Pro Phe Ile Glu Ser Leu Lys Ser  
115                           120                           125

Ile Leu Thr Arg Asn Tyr Ala Gly Thr Val Gln Tyr Phe Leu Phe Ile  
130                           135                           140

Cys Gly Asp Lys Ala Gly Ala Val Ile Ile Lys Asn Lys Thr Phe Tyr  
145                           150                           155                           160

Leu Phe Asp Pro His Cys Val Pro His Val Pro Asn Ser Pro Ala His  
165                           170                           175

Val Ile Ser Ser Ala Asp Pro Thr Ala Ile Leu Glu Tyr Val Ser Pro  
180                           185                           190

Pro Asp Arg Glu Tyr Thr Gly Ser Phe Leu Tyr Ile Met Pro Ser Glu  
195 200 205

Tyr Val Asn Pro Glu His Tyr Ile Thr Asn His Tyr Arg Thr Ile Thr  
210 215 220

Phe Ala Lys Val His Gly Pro Gln Ile Asp Ile Ser Thr Gly Ile Glu  
225 230 235 240

Pro Cys Thr Ile Glu Asp Ile Pro Ser Pro Pro Arg Ser Pro Asp Val  
245 250 255

Thr Ser Lys Ser Ser Asn Leu Ala Arg Val Pro Lys Thr Thr Thr Asp  
260 265 270

Thr Ser Ser Ala Lys Thr Thr Pro Ala Pro Leu Ser Gly Leu Leu Gly  
275 280 285

Val Glu Pro Pro Thr Ser Tyr Pro Asp Pro Ala Ala Asp Asp Ala Asp  
290 295 300

Thr Lys Leu Leu Thr Pro Ala Pro Ala Arg Thr Ala Val Asp His Pro  
305 310 315 320

Glu Phe Gln Thr Thr Pro Gly Ala Thr Leu Leu Leu Ser Glu Leu Ser  
325 330 335

Ala Ser Arg Gly Arg Lys Arg Lys Leu Ser Ser Leu Gln Arg Tyr Ser  
340 345 350

Asp Ser Asp Glu Ala Ser Ser Asp Asp Glu Gly Ala Pro Arg Arg Arg  
355 360 365

Ala His Asp Asp Ala Ile Ser Ala Glu Val Ile Trp Met Asp Asp Asp  
370 375 380

Ile Ser Pro Leu Tyr Ser Pro Ser Ala Thr Pro Ser Phe Asp Asp Val  
385 390 395 400

Phe Asp Ser Pro Pro Met Ser Pro Glu Phe Thr Tyr Thr Asn Ala Thr  
405 410 415

Glu Asp Thr Asp Gly Ala Phe Leu Glu Gln Ile Val Arg Asp Ala Glu  
420 425 430

Thr Pro Phe Ser Ala Phe Asn Asp Leu Ile Ser Asp His Asp Phe Ser  
435 440 445

Ser Leu Asp Lys Lys Ile Glu Gln Leu Ile Lys Tyr Glu Ala Pro Ser  
450 455 460

Gln His Leu Pro Asn Ile Ser Asp Lys Arg Asn Gly Arg Ala Val Arg  
465 470 475 480

Glu Ala Ala Ala Leu Gln Ala Met Asp Lys Ile Met Ile Asn Ile Ile  
485 490 495

Leu Glu His Gly Leu Ile Thr Asp Ala Gln Ala Arg Gly Pro Ser Ala  
500 505 510

Cys Lys Asn Val Leu Gln Phe Phe Ile Leu Trp Gly Glu Lys Leu Asn  
515 520 525

Ile Pro Ile Ser Asp Ala Lys Gln Val Leu Glu Leu Asp Leu Gln Leu  
530 535 540

Ile Pro Leu His Thr Ala Leu Ser Glu Gly Lys Phe Lys Gln Gly Ala  
545 550 555 560

Phe Lys Lys His Leu Thr Thr Lys Ile Asn Arg Cys Leu Ala Ser Met  
565 570 575

Arg Ala Thr His Ala Asn Ala His Lys Lys Leu Ala Ser Ala Phe Asn  
580 585 590

Ile Glu Gly Ser Gln Ile Ser Ser Ser Glu Thr Lys Ile Ser Val Arg  
595 600 605

Ala Leu Lys Glu Gln Ile Ala Asn His Leu Ser Pro Gly Phe Leu Ala  
610 615 620

Val Tyr Ser Ala Asp Glu Leu Lys His Leu Arg Asp Lys Ile Arg Asp  
625 630 635 640

Leu Lys Thr Gly Ile Glu Gln Arg Asn Arg Glu Ile Gln Gln Glu Glu  
645 650 655

Leu Phe Phe Gly Ala Val Leu Thr Ala Leu Asp Thr Phe Gln Pro Pro  
660 665 670

Pro Lys Pro Ala Tyr Pro Met Glu Ile Phe Pro His Arg Lys Thr Asp  
675 680 685

Val Met Leu Asn His Leu Ala Ser Ile Thr Thr Arg Leu Thr Asp Asp  
690 695 700

Ala Thr Glu Ala Leu Asn Asn Tyr Leu Glu Thr Pro Pro Asp Gln Gly  
705 710 715 720

Thr His Ile Thr Asn Ile Pro Asn Phe Ser Ser Ile Val Ala Asn Ile  
725 730 735

Ile Ser Thr Ile Lys Ile Leu Thr Tyr Ala Glu Asn Asp Met Gln Leu  
740 745 750

Asn Val Thr Pro Met Ala Thr Tyr Arg Arg Gln Leu Leu Tyr Leu Gly  
755 760 765

Gly Glu Leu Ala Thr Ile Phe Asn Leu Glu Trp Pro Tyr Glu Thr Val  
770 775 780

Pro Pro Val Gln Glu Leu Pro Leu Val Ala Arg Ala Lys Ala Lys Met  
785 790 795 800

Glu Ser Val Thr Lys Met Glu Lys Asn Gln Gln Ala Leu Asp Gln Ile  
805 810 815

Leu Gly Asp Ala Glu Thr Leu Leu Asp Thr Ile Thr Ala Thr Ser Gly  
820 825 830

Asn Glu Asn Pro Val Arg Ala Met Ser Ile Pro Ile Leu Glu Thr Tyr  
835 840 845

Ile Thr Asn Ala Gly Ala Leu Ile Gly Thr Ser Arg Asn Pro Arg Phe  
850 855 860

Glu Lys Leu Lys Ala Ala Ile His Asp Leu Ala Ser Ser Glu Ser Phe  
865 870 875 880

Ile Ile Met Leu Leu Asn Asn Thr Arg Leu Asp Asn Ile Ser Asp Asn  
885 890 895

Leu Ala Lys Ile Asp Gly Ile Leu Thr Asn Asn Thr Arg Phe Leu Ser  
900 905 910

Thr Ala Thr Val Thr Lys Thr Leu Gln Thr Leu Gly Ser Ser Leu Ile  
915 920 925

Arg Glu Cys Val Glu Ala Leu Asp Lys Arg Ser Pro Ser Ser Leu Thr  
930 935 940

Asp Ala Arg Leu Leu Ala Val Gln Thr Ile Leu Gly His Ala Ser Val  
945 950 955 960

Pro Asp His Glu Thr Leu Thr Arg Ile Val Ser Gly Val Ala Ser Ala  
965 970 975

Gln Lys Glu Ser Ala Gly Asp Asp Pro Asp Arg Trp Thr Arg Val Thr  
980 985 990

Gly His Leu Asn Glu' Leu Lys Leu Ala Ala Thr Gln Ser Asn Val Asp  
995 1000 1005

Lys Ala Thr Arg Arg Lys Leu Leu Met Ile Ile Thr Arg Asp Leu  
1010 1015 1020

Lys Glu Ala Glu Val Ser Gln Glu Thr Val Leu Glu Thr Arg Trp  
1025 1030 1035

Gln Glu Asn Val Leu Lys Phe Gln Pro Ser Thr Ser Lys Glu Ile  
1040 1045 1050

Glu Asp Phe Leu Gln Ser Ala Pro Ser Ala Lys Ala Arg Lys Phe  
1055 1060 1065

Ala Glu Lys His Leu Arg Thr Leu Ile Ala Gln Phe Asp Gly His  
1070 1075 1080

Glu Gln Arg Pro Ser Glu Ala Thr Ala Val Pro Met Asp Tyr Thr  
1085 1090 1095

Pro Thr Pro Ile Pro Thr Pro Gln Ala Val Ser Thr Ala Thr Ala  
1100 1105 1110

Glu Lys Gly Lys Ala Ala Trp Asn Lys Ile Gln Gln Ala Phe Gln  
1115 1120 1125

Asp Phe Asn Phe His Leu Ile Asp Ala Ser Asp Trp Gln Glu Met  
1130 1135 1140

Ala Ser Glu Tyr Ser Arg His Gly Ser Ser Leu Pro Gly Thr Val  
1145 1150 1155

Gly Pro Lys Leu Val Arg Phe Met Glu Ser Ile Ser Asn Thr Leu  
1160 1165 1170

Asp Asp Ile Leu Thr Gln Lys Leu Ala Ser Leu Leu Pro Asn Gly  
1175 1180 1185

Pro Ala Phe Arg Pro Pro Ala Phe Asp Trp Ile Ala Pro Tyr Gln  
1190 1195 1200

Thr Arg Val Asn Ala Phe Leu Lys Thr Ile Gly Leu Pro Met Val  
1205 1210 1215

Arg Asp Leu Ala Asp Lys Ile His His Gln Cys Gln Thr Val Ser  
1220 1225 1230

His Ala Val Gln Ser Ala Asp Leu Gln Gln Ala Thr Val Gly Thr  
1235 1240 1245

Ser Leu Glu Arg Pro Ala Ala Glu Tyr Cys Arg Ile Leu Ser Asp  
1250 1255 1260

Met Gln Val Ala Phe Asn Asp His Gly Ile Ala Val Arg Ser Glu  
1265 1270 1275

Ala Ala Ala Tyr Thr Asp Ala Ile Asn Ser Pro Ala Asn Val Ala  
1280 1285 1290

Thr Pro Pro Lys Pro Asn Leu Glu Ala Pro Lys Lys Leu Met Thr  
1295 1300 1305

Ala Thr Asp Val Leu Thr Val Glu Asp Phe Pro Glu Phe Leu Lys  
1310 1315 1320

Thr Ser Ile Leu Gln Gln Glu Gln Arg Leu Ile Ala Leu Gln Arg  
1325 1330 1335

Ala Glu Phe Gln Gln Leu Glu Ala Ser Ile Ser Ala Ala Glu Arg  
1340 1345 1350

Leu Arg Gln Ser Thr Arg Asn Glu Ile Ala Gly Lys Met Ala Thr  
1355 1360 1365

Ala Ile Thr Gln Leu Leu Pro Arg Ala Pro Val Ala Ile Ser Ser  
1370 1375 1380

Arg Pro Leu Asn Leu Ser Lys Pro Ile Asp Phe Leu Ser Ser Thr  
1385 1390 1395

Val Tyr Asp Lys Ile Leu Asp Lys Glu Pro Tyr Glu Thr Ala Ile  
1400 1405 1410

Ala Gly Phe Ala Trp Leu Glu Thr Ala Thr Lys Ser Val Met Val  
1415 1420 1425

Tyr Ser His Gln Asn Gln Thr Gln Gln Leu Asn Val Leu Leu Ser  
1430 1435 1440

Glu Val Glu Lys Gln Ser Thr Ile Ala Gln Arg Leu His Asp Leu  
1445 1450 1455

Glu Val Ser Ala Arg Asn Thr Asp Asp Val Lys Val Leu Lys Gln  
1460 1465 1470

Ala Leu Asp Glu Leu Ala Pro Leu Arg Val Lys Gly Gly Lys Thr  
1475 1480 1485

Thr Val Asp Ala Trp Lys Gln Lys Leu Glu Ser Ile Glu Ser Leu  
1490 1495 1500

Leu Arg Ala Thr Arg Thr Ala Gly Glu Ile Ser Ser Glu Leu Glu  
1505 1510 1515

Arg Ile Gly Ala Gln Ala Val Gly Thr Ile Ala Val Arg Asp Leu  
1520 1525 1530

Gly Thr Leu Ser Asp Gln Cys Arg Glu Ala Ala Asn Phe Leu Lys  
1535 1540 1545

Gln Ala Ser Leu Pro Glu Gly Phe Ser Asp Ile Gly Thr Lys Leu  
1550 1555 1560

Ser Glu Leu Gln Ala Tyr Ile Lys Tyr Lys Lys Gln Phe Leu Glu  
1565 1570 1575

His Phe Glu Thr Thr Gln Pro Asn Val Phe Arg Arg Phe Pro Leu  
1580 1585 1590

Ser Gln Asn Ile Thr Glu Asn Val Pro Ala Arg Leu Ala Met Asp  
1595 1600 1605

Ser Met Ala Arg Leu Ala Asn His Leu His Val Arg Gly Ser Ala  
1610 1615 1620

Pro His Phe Thr Thr Trp Ile Glu Thr Leu Pro Thr Val Asp Pro  
1625 1630 1635

Glu Lys Pro Thr His Val Pro Ala His Gly Gly Ala Pro Leu His  
1640 1645 1650

Arg Gln Ile Thr Tyr Ser Asn Val Leu Glu Ala Leu Phe Ser Leu  
1655 1660 1665

Cys Ser Thr Thr Leu Thr Pro Val Pro Thr Ala Pro Gly Leu Glu  
1670 1675 1680

Ile Ala Thr Arg Ala Arg Arg Gly Ala Glu Ala Ala Thr Trp Met  
1685 1690 1695

Asp Arg Gln Trp Pro Asp Ile Ala Gln Thr Leu Gln Asp Val Leu  
1700 1705 1710

Asp Thr Tyr Glu His Thr Thr His Ala Asn Arg Asp Ala Thr  
1715 1720 1725

Ser Asn Ala Phe Leu Ala Met Cys Val Phe Thr Gln Ile Ile Arg  
1730 1735 1740

Gly Ala Ser Arg Ala Val Thr Leu Pro Lys Leu Pro Gly Thr Ala  
1745 1750 1755

Val Asp Phe Pro Glu Glu Ile Val Leu Thr Pro Arg Glu Cys Thr  
1760 1765 1770

Thr Leu Val Thr Ala Met Trp Pro Thr Leu Ala Ala Ala Ile Leu  
1775 1780 1785

Arg Leu Lys Ser Tyr Ser Glu Ala Leu Gly Leu Met Ser Arg Phe  
1790 1795 1800

Leu Pro Leu Met Phe Gln Ala Leu Pro His Leu Thr Leu Glu Ala  
1805 1810 1815

Gln Val Gln Asn Gly Pro His Asn Thr Pro Pro Gln Val Arg Cys  
1820 1825 1830

Phe Ala Arg Thr Glu Ala Ile Pro Tyr Phe Pro Ala Gln Trp Gln  
1835 1840 1845

Ser Ala Asn Leu Glu Gln Ser Leu Trp Gly Gln Thr Asp Phe Leu  
1850 1855 1860

Gln Ile Cys Asp Asn Asn Gln Arg Lys Ala Arg Val Ala Ala Val  
1865 1870 1875

Thr Trp Ala Leu Thr Thr Ile Asn Gly Val Val Leu Asp Gln Leu  
1880 1885 1890

Trp Ser Thr Phe Lys Pro Met Thr Ala Ala Ser Asp Asp Thr Tyr  
1895 1900 1905

Val Asp Leu Val Lys Thr Leu His Leu Thr Thr Phe Gly Pro Arg  
1910 1915 1920

Gly Pro Thr Pro Arg Arg Glu Thr Thr Thr Glu His Pro Pro Tyr  
1925 1930 1935

Glu Tyr Gly Gln Pro Thr Gly Tyr Cys Ile Ser Gly Gln Ser Thr  
1940 1945 1950

Thr Pro Val Gln Ala Ser Asn Thr Pro Gly Val Arg Phe  
1955 1960 1965

<210> 126  
<211> 121  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 126

Met Glu Ser Pro Thr Val Asn Ile Glu Glu Ile Tyr Arg Arg Pro Ser  
1 5 10 15

Arg Ser Pro Arg Arg Ile Ser His Arg Arg Val Arg Ala Tyr Val Gly  
20 25 30

Pro Leu Arg Arg Gln Thr Thr Leu Arg Arg Asn Pro Asn Ile Ala Glu  
35 40 45

Gly Trp Thr Ala Cys Val Ser Asp Pro Trp Met Pro Thr Val Leu Lys  
50 55 60

Glu Val Ala Trp Leu Pro Val Leu Phe Gly Ile Arg Gly Gly Arg Arg  
65 70 75 80

Arg Phe Ala Leu Glu Arg Glu Leu Arg Val Leu Cys Pro Arg Arg Arg  
85 90 95

Leu Pro Gly Leu Gly Ser Leu Ser Val Val Arg Arg Pro Val Asp Arg  
100 105 110

Ile Ala Val Pro Val Trp Phe Trp Arg  
115 120

<210> 127  
<211> 147  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 127

Met Ile Leu Ile Ile Ile Leu Ser Ile Ala Trp Arg Ala Ala Ala Ser  
1 5 10 15

Arg Thr Ala Arg Pro Phe Arg Leu Ser Glu Met Phe Gly Arg Cys Cys  
20 25 30

Glu Gly Ala Ser Tyr Leu Ile Asn Cys Ser Ile Phe Leu Ser Arg Glu  
35 40 45

Glu Lys Ser Trp Ser Asp Ile Arg Ser Leu Asn Ala Glu Asn Gly Val  
50 55 60

Ser Ala Ser Arg Thr Ile Cys Ser Arg Asn Ala Pro Ser Val Ser Ser  
65 70 75 80

Val Ala Phe Val Tyr Val Asn Ser Gly Leu Ile Gly Gly Leu Ser Asn  
85 90 95

Thr Ser Ser Asn Asp Gly Val Ala Asp Gly Glu Tyr Arg Gly Asp Ile  
100 105 110

Ser Ser Ser Ile Gln Ile Thr Ser Ala Asp Ile Ala Ser Ser Cys Ala  
115 120 125

Arg Leu Arg Gly Ala Pro Ser Ser Asp Asp Ala Ser Ser Glu Ser

130

135

140

Glu Tyr Arg  
145

<210> 128  
<211> 106  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 128

Met Val Trp Thr Ala Arg Arg Arg Ala Ser Val Arg Glu Asp Gly Leu  
1 5 10 15

Leu Leu Ser Ser Ala Ser Thr His Ser Arg Ile Arg Leu Leu Pro Ser  
20 25 30

Val Trp Ser Val Phe Val Thr Val Ala Val Glu Arg Lys Arg Val Leu  
35 40 45

Leu Val Arg Met Pro Ser Ile Leu Ala Arg Leu Ser Asp Met Leu Ser  
50 55 60

Ser Arg Val Leu Phe Ser Ser Ile Ile Met Asn Asp Ser Asp Asp Ala  
65 70 75 80

Arg Ser Trp Met Ala Ala Leu Ser Phe Ser Asn Arg Gly Phe Arg Glu  
85 90 95

Val Pro Ile Arg Ala Pro Ala Phe Val Ile  
100 105

<210> 129  
<211> 92  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 129

Met Ser Arg Cys Ser Cys Trp Arg Ile Asp Val Phe Arg Asn Ser Gly  
1 5 10 15

Lys Ser Ser Thr Val Arg Thr Ser Val Ala Val Ile Ser Phe Leu Gly  
20 25 30

Ala Ser Arg Leu Gly Phe Gly Gly Val Ala Thr Leu Ala Gly Glu Leu  
35 40 45

Ile Ala Ser Val Tyr Ala Ala Ala Ser Asp Leu Thr Ala Ile Pro Trp  
50 55 60

Ser Leu Lys Ala Thr Cys Met Ser Glu Ser Ile Arg Gln Tyr Ser Ala  
65 70 75 80

Ala Gly Arg Ser Lys Leu Val Pro Thr Val Ala Cys  
85 90

<210> 130

<211> 97

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 130

Met Val Pro Thr Ala Cys Ala Pro Met Arg Ser Ser Ser Glu Asp Ile  
1 5 10 15

Ser Pro Ala Val Leu Val Ala Arg Ser Arg Asp Ser Met Leu Ser Ser  
20 25 30

Phe Cys Phe His Ala Ser Thr Val Val Phe Pro Pro Phe Thr Leu Arg  
35 40 45

Gly Ala Ser Ser Ser Ala Cys Phe Ser Thr Phe Thr Ser Ser Val  
50 55 60

Phe Leu Ala Asp Thr Ser Arg Ser Cys Arg Arg Trp Ala Met Val Leu  
65 70 75 80

Cys Phe Ser Thr Ser Leu Ser Ser Thr Phe Asn Cys Cys Val Trp Phe  
85 90 95

Trp

<210> 131

<211> 113

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 131

Met Gly Thr Gly Leu Arg Gly Ala Leu Tyr Arg Leu Leu Asn Gly Ser  
1 5 10 15

Thr Ser Gly Thr His Ser Arg Met Gly Val Arg Ser Pro Met Pro Pro

20

25

30

Arg Ala Trp Pro Arg Arg Trp Ala Cys Arg Gln Lys Asp Ser His Trp  
35 40 45

Tyr Val Lys His His Arg Ser Glu His Arg Leu Lys Ser Gly His Pro  
50 55 60

Ala Cys Leu Lys Pro Gly Pro Ala Trp Ser Ile Gly Pro Arg Cys Ser  
65 70 75 80

Ser Pro Trp Ala Val Arg Thr Arg Thr Ala Gly Ala Arg Trp Ser Phe  
85 90 95

Leu Ala Leu Val Leu Asp Arg Ala Asp Gln Arg Trp Ser Gly Val Gly  
100 105 110

Ser

<210> 132  
<211> 433  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 132

Met Gly Leu Leu Thr Pro Ile Leu Glu Cys Val Pro Asp Val Glu Pro  
1 5 10 15

Phe Lys Ser Leu Tyr Asn Ala Pro Arg Lys Pro Val Pro Ile Asn Thr  
20 25 30

Leu Pro Ala Ser Leu His Pro His Asp Glu Gln Gln Val Phe Leu Arg  
35 40 45

Gln Ala Gln Trp Leu Ser Tyr Arg Phe Ile Pro His Glu Ala Ala Arg  
50 55 60

Ser Ser Ser Pro Pro Leu Leu Val Val Ile Asp Pro Glu Asn Leu Val  
65 70 75 80

Thr Ala Thr Tyr Ser Ser Gly Gly Pro Ala Asn Phe Glu Ser Arg Pro  
85 90 95

Phe Tyr Val Met Pro Gly Pro Tyr Pro Thr Asp Trp Pro Lys Thr Leu  
100 105 110

Ser Val Thr Ser Asn Thr Ser Val Thr His Leu Ser His Asp Glu Ile  
115 120 125

Cys Asn Leu Phe Thr Thr Leu Ser Arg Glu His Gly Thr Val Gln Gly  
130 135 140

Arg Asp Ile Phe Ala Ala Ala Pro Thr Asn Val Thr Pro Glu Arg Thr  
145 150 155 160

Ala Asn His Pro Thr Trp Glu Thr Glu Asn Gln Leu Thr Thr Gln Thr  
165 170 175

Glu Pro Ala Glu Lys Thr His Val Ile Pro Ala Ser Pro Lys Ala Arg  
180 185 190

Thr Asp Pro Ile Ala Glu Thr Thr Ala His His Ser Gln Gly Gln Ala  
195 200 205

Ser Gln His Ala Asn Asn Val Asn Gln Pro Gly Gln Ile Thr Ser His  
210 215 220

Ala Ser Arg Asn Lys Pro Ser Thr Ala Pro Gln Ala Ser Ser Arg Pro  
225 230 235 240

Glu Lys Leu Asn Thr Gln Thr Val Pro Arg Leu Ile Ser Gln Thr Ser  
245 250 255

Glu Thr Ala His Ile Asn His Pro Ala Ser Gly Gln Val Thr Glu Pro  
260 265 270

Lys Gly Ile Phe Gly Thr Tyr Lys Pro Arg Val Leu Thr Glu Pro Ala  
275 280 285

Lys Pro Ala His Ala Ser Ile Ala Ser Arg Gln Pro Glu Ala Thr Thr  
290 295 300

Thr Val Pro Lys Leu Pro Ile Asn Ala Pro Thr Ala Lys Val Phe Ile  
305 310 315 320

Gly Thr Ala Ser Lys Phe Leu Pro Asp Val Glu Glu Ser His Gly Thr  
325 330 335

Thr Pro Gly Ala His Gln Ser Lys Ile Asp Gln Lys Gln Tyr Gly Glu  
340 345 350

Ser Gln Pro His Arg Thr Pro His Leu Glu Glu Val Pro Arg Ala Pro  
355 360 365

His Val Asp Thr Pro Thr Ser Ala His Ile Asn Val Pro Ser Ser Gln  
370 375 380

Gly Pro Lys Thr Ile His Ala Arg Val Thr Pro Gly Ile Gln Thr Val  
385 390 395 400

Thr Pro Ser Ala Pro Pro Pro Ala Gly Gln Ile Arg Ala Phe Asn Thr  
405 410 415

Arg Phe Pro Glu Pro Thr Ala Gly Arg Ser Thr Thr Asn Arg Met Trp  
420 425 430

Asn

<210> 133  
<211> 140  
<212> PRT  
<213> Japanese Macaque Herpesvirus  
  
<400> 133

Met Leu Tyr Phe Gln Glu Phe Gly Gly Val Leu Val Asp Glu Ser Leu  
1 5 10 15

Arg Leu Asp Arg Met Gly Arg Ser Ile Tyr Ser Arg Pro Val Arg Ala  
20 25 30

Cys Glu Thr His Phe Val Phe Trp Ala Ile Leu Leu Pro His Trp Leu  
           35                        40                        45

Gly Ser Ile Pro His Pro Ile Arg Arg Gly Ala Thr Gly Arg Arg Phe  
50 55 60

Trp Glu Ala Cys Ile Glu Cys Ala Asp Leu Thr Gly Arg Trp Gly Gly  
65 70 75 80

Ala Gly Ser Tyr Cys Leu Asn Thr Gly Cys Tyr Ala Arg Val Tyr Cys  
85 90 95

Phe	Trp	Thr	Leu	Ala	Arg	Gly	Asp	Val	Tyr	Val	Cys	Ala	Gly	Trp	Ser
			100					105					110		

Val Asp Val Arg Arg Pro Trp Asn Leu Phe Lys Val Trp Gly Ala Val  
115 120 125

Arg Leu Thr Phe Ala Val Leu Phe Leu Ile Tyr Leu  
130 135 140

<210> 134  
<211> 169  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 134

Met Ser Ser Leu Arg Val Lys Glu Pro Ile Val Gln Gly Arg Leu Glu  
1 5 10 15

His Asp Tyr Pro Asn His Pro Leu Val Ala Glu Met Asn Asn Leu Pro  
20 25 30

Gln Gly Asp Met Ser Pro Ala Gln Tyr Ala Ile Ala Lys Arg Asn Tyr  
35 40 45

Leu Val Phe Leu Thr Ala Lys His His Tyr Asp Met Tyr Thr Gln Lys  
50 55 60

Lys Asn Gly Ile Leu Arg Lys Asp His Leu Arg Gly Leu Arg Gly Lys  
65 70 75 80

Lys Asp Ala Ser Ser Ile Ser Ser Val Leu Ser Gly Ser Gly Ser  
85 90 95

Ala Ala Pro Ser Val Ala Pro Val Ala Ser Thr Leu Gly Ser Asn Ser  
100 105 110

Phe Thr Thr Ile Ser Ser Gly Pro His Ser Leu Ile Gly Ser Ile Gly  
115 120 125

Pro Thr Pro Gly Gly Pro Gly Ser Val Ala Ser Ser Gly Ile  
130 135 140

Gly Ser Thr Ser Leu Ser Pro Ser Asp Ala Thr Thr Leu Asp Thr Arg  
145 150 155 160

Arg Ser Ser Gln Asn Lys Lys Ser Lys  
165

<210> 135  
<211> 86  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 135

Met Pro Glu Asp Ala Thr Leu Pro Gly Pro Pro Pro Gly Val Gly  
1 5 10 15

Pro Ile Glu Pro Ile Asn Glu Trp Gly Pro Leu Glu Ile Val Val Lys  
20 25 30

Leu Phe Asp Pro Arg Val Glu Ala Thr Gly Ala Thr Leu Gly Ala Ala  
35 40 45

Glu Pro Asp Pro Asp Lys Thr Leu Glu Ile Leu Glu Leu Ala Ser Phe  
50 55 60

Leu Pro Arg Arg Pro Arg Arg Trp Ser Leu Arg Lys Ile Pro Phe Phe  
65 70 75 80

Phe Cys Val Tyr Met Ser  
85

<210> 136  
<211> 448  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 136

Met Ala Ser Gly Arg Leu Pro Asp Leu Ala Glu Asp Glu Ala Ala Cys  
1 5 10 15

His Gly Arg Val Pro Tyr Pro Val His His Trp Leu Asp Cys Ser Arg  
20 25 30

Leu Gly Leu Asp Phe Ala Ala Ser Met Arg Ala Ile Gly Leu Cys Pro  
35 40 45

Glu Cys Tyr Val Cys Phe Val Thr Tyr Gly Leu Gly Ala Trp Glu Gly  
50 55 60

Gln Pro Pro Glu Trp Ala Arg Thr Leu Ile Ser Ala Pro Ser Phe Gln  
65 70 75 80

Thr Ala Leu Asn Asp Ile Ala Thr Gly Trp Met Pro Asp Asn Pro Pro  
85 90 95

Lys Asn Gly Asp Val Lys Ser Arg Leu His Asp Thr Gly Arg Leu Leu  
100 105 110

Leu Glu Ala Tyr Ala Trp Val Leu Arg Cys Ile Cys Thr Gly Val Gly  
115 120 125

Tyr Ala Asp Asn Glu Gly Leu Ser Leu Thr Ala Val Pro Arg Gly Ala  
130 135 140

Trp Ser Arg Tyr Leu Val Val Ser Phe Pro Arg Ala Cys Cys Phe Val  
145 150 155 160

Cys Lys Thr Leu Asn Cys Arg Gln Arg Phe Pro Leu Val Thr Cys Ser  
165 170 175

Pro Gln His Ala Leu Asp Leu Pro Val Leu Arg Lys Lys Trp Asn Gly  
180 185 190

Ala Gly Cys Val Ala Met Gln Leu Asn Val Pro Ser Ile Ser Arg Arg  
195 200 205

Leu Gly Ala Asn Leu Asp Glu Arg Gly Leu Gly Pro Ser Asp Ala Gly  
210 215 220

Leu Leu Ala Ser Leu Arg Glu Leu Ala Pro Thr Val Pro Cys Gly Asn  
225 230 235 240

Pro Phe Asn Ala Leu Leu Arg Ser Leu Thr Phe Arg Gly Leu Leu Ser  
245 250 255

Met Ser Arg Val Val Leu Pro Ile Gly Glu Ser Thr Glu Thr Glu Ile  
260 265 270

Ser Arg Asp Leu Gly Gln Lys Val Leu Ala Tyr Asn Val Leu Phe Pro  
275 280 285

Cys Ile Ser Leu Pro Val Trp Ser Gln Val Val Ala Arg Ser Val Leu  
290 295 300

Glu Lys Thr Val Pro Ala Pro Arg Val Val Val Cys Leu Glu Cys Gly  
305 310 315 320

Tyr Cys Leu Asn Phe Gly Arg Gly Lys Phe Glu Thr Val Asn Phe Pro  
325 330 335

Pro Thr Asn Val Phe Phe Ser Arg Asp Gln Lys Glu Lys Gln Leu Ser  
                  340                         345                         350

Ile Cys Ala Thr Thr Gly Arg Val Tyr Cys Ser Tyr Cys Gly Gly Ser  
355 360 365

His	Met	Arg	Val	Ile	Ser	Leu	Phe	Glu	Ile	Thr	Cys	Val	Gly	Asp	Pro
370						375						380			

Tyr Leu Arg Cys Val Leu Ala Asn Asn Ala Ala His Ser Ile Arg Asp  
 385                   390                   395                   400

Ala Asn Ser Leu Val Ser Val Val Val Pro Cys Leu Ala Ser Pro Asp  
405 410 415

Cys Ala Thr Gly Leu Leu Lys His Leu Arg Val Ala Glu Leu Phe Tyr  
 420 425 430

Leu Thr Ser Ser Ile Ser Ser Leu Ser Cys Gly Lys Cys Asn Arg Ser  
435 440 445

<210> 137  
<211> 135  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 137

Met	Gly	Ser	Thr	Thr	Arg	Asp	Met	Leu	Asn	Arg	Pro	Leu	Asn	Val	Arg
1				5				10						15	

Leu Leu Arg Arg Ala Leu Asn Gly Leu Pro His Gly Thr Val Gly Ala  
20 25 30

Ser Ser Arg Ser Glu Ala Ser Ser Pro Ala Ser Glu Gly Pro Arg Pro  
35 40 45

Arg Ser Ser Arg Leu Ala Pro Lys Arg Leu Glu Met Asp Gly Thr Phe  
50 55 60

Ser Cys Ile Ala Thr Gln Pro Ala Pro Phe His Phe Phe Arg Lys Thr  
65 70 75 80

Trp Arg Gln Leu Arg Val Leu His Thr Lys Gln His Ala Leu Gly Asn  
100 105 110

Asp Thr Thr Arg Tyr Leu Asp His Ala Pro Leu Gly Thr Ala Val Lys  
115 120 125

Leu Arg Pro Ser Leu Ser Ala  
130 135

<210> 138  
<211> 268  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 138

Met Ser Ser Gly Lys Arg Leu Val Asp Glu Leu Cys Asp Val Val Val  
1 5 10 15

Ser Tyr Leu Gly Pro Ser Gly Ile Ser Leu Asp Leu Glu Arg Cys Gln  
20 25 30

Asp Gly Ala Pro Val Tyr Ala Lys Gly Gly Ala Val Pro Val Cys Thr  
35 40 45

Val Arg Leu Gln His Gly Cys Val Tyr His Leu Glu Phe Val Tyr Lys  
50 55 60

Phe Trp Leu His Lys Leu Glu Arg Leu Ala Tyr Pro Phe Ala Pro Cys  
65 70 75 80

Phe Val Ile Thr Asn Asn Gly Leu Ala Thr Thr Leu Lys Cys Phe Leu  
85 90 95

Cys Lys Pro Arg Asp Ala Asp Ala Gln Phe Gly Lys Asn Leu Pro Ile  
100 105 110

Asn Ser Asp Val Tyr Leu Glu Arg Asn Ser Ser Val Phe Leu Gly Gln  
115 120 125

Asp Asp Phe Met Lys Phe Lys Ala Arg Leu Val Phe Ser Gly Asp Leu  
130 135 140

Asn Val Tyr Ser Ser Met Val Ile Cys Arg Thr Tyr Phe Thr Glu His  
145 150 155 160

Arg Gln Val Leu Gln Phe Leu Val Val Thr Pro Lys Ser Ala Lys Arg  
165 170 175

Leu Lys Thr Leu Leu Arg Thr Val Phe Ala Leu Thr Gly His Ser Asp  
180 185 190

Gly Leu Gly Ala Leu Arg Arg Thr Gly Ser Val Ala Arg Pro Ser Gly  
195 200 205

Ser Glu Leu Thr Asp Ile Gly Ser Gly Glu Arg Cys Gly Asn Asp Arg  
210 215 220

Leu Thr Asp Ser Ile Gly Thr Ile Gly Gly Trp Pro Arg Gly Ala Cys  
225 230 235 240

Leu Thr Trp Leu Lys Thr Lys Leu Pro Val Met Gly Ala Phe Leu Ile  
245 250 255

Leu Ser Ile Ile Gly Trp Ile Val Leu Gly Trp Ala  
260 265

<210> 139

<211> 104

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 139

Met Met Asp Arg Ile Arg Asn Ala Pro Met Thr Gly Ser Phe Val Phe  
1 5 10 15

Ser Gln Val Arg Gln Ala Pro Arg Gly His Pro Pro Ile Val Pro Met  
20 25 30

Glu Ser Val Asn Arg Ser Leu Pro His Arg Ser Pro Leu Pro Ile Ser  
35 40 45

Val Asn Ser Asp Pro Glu Gly Arg Ala Thr Glu Pro Val Arg Leu Asn  
50 55 60

Ala Pro Arg Pro Ser Glu Cys Pro Val Arg Ala Lys Thr Val Leu Arg  
65 70 75 80

Arg Val Phe Asn Arg Leu Ala Leu Phe Gly Val Thr Thr Lys Asn Cys  
85 90 95

Lys Thr Cys Arg Cys Ser Val Lys

100

<210> 140  
<211> 86  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 140

Met Ser Gly Asp Asp Leu Leu Ala Phe Glu Ser Leu Leu Pro Glu Asp  
1 5 10 15

Met Lys Ile Met Phe Pro Thr Ile Tyr Ser Arg Leu Asn Ala Ile Asn  
20 25 30

Tyr Cys Gln Tyr Leu Lys Thr Phe Leu Cys Asn Arg Ala Gln Thr Arg  
35 40 45

Ser Ala His Cys Glu His Cys Met Val Leu Asp Ala Lys Val Asn Ala  
50 55 60

Val Lys Gln Val Ile His Lys Ile Val Ser Thr Asp Ala Val Phe Thr  
65 70 75 80

Gly Ala Ala His Ser Thr  
85

<210> 141  
<211> 457  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 141

Met Phe Val Pro Trp Gln Leu Glu Thr Leu Met Lys His Trp Pro Ser  
1 5 10 15

Leu Arg Glu Leu Val Glu Gln Ser Phe Leu Pro Gly Thr Pro Asp Val  
20 25 30

Ala Phe Asn Ser Pro Val Leu Ile His Thr Gln Asp Ser Leu Gln Pro  
35 40 45

Ala Ser Ser Cys Arg Val Cys Asn Ile Leu Phe Thr Leu Val Arg Thr  
50 55 60

Phe Pro Pro Pro Asp Ser Phe Phe Glu Asp Tyr Gly Trp Leu Cys Leu  
65 70 75 80

Thr Cys Leu Tyr Ala Pro Arg Ser Trp Thr Ala Thr Leu Met Val Ala  
85 90 95

Ala Asp Leu Leu Glu Leu Ile His Met Tyr Phe Pro Gln Arg Val Lys  
100 105 110

Asp Gly Pro Val Tyr Thr Thr Gln Asn Ile Leu Gly Ile Asp Val Gln  
115 120 125

Leu His Phe Phe Ala Thr Arg Cys Phe Arg Pro Ile Asp Arg Glu Gln  
130 135 140

Ile Leu His Thr Ser His Leu Asn Phe Leu Gln Thr Glu Phe Ile Arg  
145 150 155 160

Gly Met Leu Glu Gly Thr Ile Pro Gly Ser Phe Cys Phe Lys Thr Ser  
165 170 175

Trp Pro Arg Thr Glu Lys Asp Asp Gln Gln Pro Thr Val Ala Cys Cys  
180 185 190

Ser Val Gly Arg Gly Asn His Ala Asn Arg Asp Asn His Leu Pro Asp  
195 200 205

Asp Leu Glu Glu Ala Phe Asn Ser Thr Asn Ala Lys Glu Lys Pro Ser  
210 215 220

Ile Leu Gly Val Phe Ser Ala Thr Trp Ser Glu Ser Gln Leu Leu Gly  
225 230 235 240

Ser Asp Thr Gln Gln Ala Thr Ile His Ser Gln Pro Ser Thr Phe Pro  
245 250 255

Thr Pro Glu Asp Ala Asp Gln Ser Gln Gly Pro Cys Leu Met His Pro  
260 265 270

Thr Leu Asn Leu Lys Thr Lys Asn His Thr Ala Ser Ile Cys Val Leu  
275 280 285

Cys Glu Cys Leu Ala Ala His Pro Asp Ala Gly Pro Val Leu Arg Asp  
290 295 300

Leu Arg Arg Asp Ile Leu Glu Asn Met Glu Asn Asn Val Lys Leu Val  
305 310 315 320

Asn Arg Ile Ser Tyr Ile Leu Asn Asp Pro Asp Ser Leu Ser His Val  
325 330 335

Arg Asp Glu His Leu Arg Gly Leu Ile Lys Arg Cys Ser Ala Gln Glu  
340 345 350

Ile His Lys His Phe Phe Cys Asp Pro Leu Cys Val Leu Asn Thr Tyr  
355 360 365

Ser His Cys Pro Ala Val Leu Phe Lys Cys Pro Pro Pro Glu Lys Tyr  
370 375 380

Lys Lys Leu Lys Ala Arg Leu Ala Thr Gly Glu Phe Leu Asp Cys Asn  
385 390 395 400

Arg Ile Phe Asp Cys Glu Thr Leu Gln Thr Leu Ala Val Leu Phe Lys  
405 410 415

Gly Ser Gln Leu Ala Lys Ile Gly Lys Thr Thr Ser Leu Glu Ile Ile  
420 425 430

Arg Glu Leu Gly Phe Gln Leu Arg Arg His Asn Ile Gln Ile Thr His  
435 440 445

Pro Phe Gln Thr Ser Asn Leu Tyr Ile  
450 455

<210> 142  
<211> 127  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 142

Met Tyr Asp Met Arg Leu Thr Ser Leu Thr Leu Phe Ser Met Phe Ser  
1 5 10 15

Arg Met Ser Arg Arg Arg Ser Leu Arg Thr Gly Pro Ala Ser Gly Trp  
20 25 30

Ala Ala Arg His Ser His Arg Thr Gln Met Asp Ala Val Trp Phe Phe  
35 40 45

Val Leu Arg Leu Ser Val Gly Cys Ile Arg Gln Gly Pro Cys Asp Trp  
50 55 60

Ser Ala Ser Ser Gly Val Gly Lys Val Glu Gly Cys Glu Trp Ile Val  
65 70 75 80

Ala Cys Cys Val Ser Glu Pro Arg Ser Trp Asp Ser Asp His Val Ala  
85 90 95

Glu Lys Thr Pro Arg Met Leu Gly Phe Ser Leu Ala Phe Val Glu Leu  
100 105 110

Asn Ala Ser Ser Arg Ser Ser Gly Arg Trp Leu Ser Arg Leu Ala  
115 120 125

<210> 143  
<211> 108  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 143

Met Phe Asp Glu Cys Pro Asn Asp Glu Arg Asp Thr His Arg Pro Gly  
1 5 10 15

Ala Met Val Phe Arg Phe Asn Gly Asn Ile Thr Asp Phe Glu Val His  
20 25 30

Ile Gly Val Pro Ile Ser Leu Lys Lys Ser Thr Pro Ser Ser Trp Arg  
35 40 45

Arg Val Arg Ala Glu Lys Asn Cys Val Ser Glu Thr Asn Phe Phe His  
50 55 60

Cys Ile Ile Ser Leu Leu Gln Leu Pro Cys Leu Asp Ala Gly Cys Val  
65 70 75 80

Asp Trp Gly Pro Ser Gly Arg Leu Thr Leu Gly Ala Tyr Gly Val Arg  
85 90 95

Asp Ala Asn Arg Arg Leu Gly Cys Phe Gly Ile Val  
100 105

<210> 144  
<211> 297  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 144

Met Pro Lys Gln Pro Arg Arg Leu Ala Ser Arg Thr Pro Tyr Ala  
1 5 10 15

Pro Ser Val Lys Arg Pro Asp Gly Pro Gln Ser Thr Gln Pro Ala Ser  
20 25 30

Arg His Gly Ser Cys Lys Ser Glu Ile Met Gln Trp Lys Lys Leu Val  
35 40 45

Ser Asp Thr Gln Phe Phe Ser Ala Leu Thr Arg Arg His Glu Leu Gly  
50 55 60

Val Asp Phe Leu Arg Glu Met Gly Thr Pro Ile Cys Thr Ser Lys Ser  
65 70 75 80

Val Met Leu Pro Leu Asn Leu Lys Thr Ile Ala Pro Gly Arg Cys Val  
85 90 95

Ser Leu Ser Ser Phe Gly His Ser Ser Asn Met Gly Phe Asn Cys Ser  
100 105 110

Ser Cys Thr Pro Thr Asp Arg Ser Ala Val Ser Leu Asp Ala Asn Ala  
115 120 125

Leu Gly Glu Asp Ser Ala Arg Lys Asn Ser Glu Leu Cys Ser Val Ala  
130 135 140

Leu Thr Phe Tyr His His Ala Glu Lys Val Val Gln His Lys Gly Phe  
145 150 155 160

Tyr Leu Ser Leu Leu Ser His Ser Met Glu Val Val Arg Arg Ser Phe  
165 170 175

Thr Gln Pro Gly Leu Leu Tyr Ala His Leu Val Leu Lys Thr Phe Gly  
180 185 190

His Asp Pro Leu Pro Ile Phe Thr Val Asp Ala Asn Glu Arg Leu Ala  
195 200 205

Leu Trp Ala Val Phe His Thr Arg Asp Leu His Leu Gly Glu Thr Ser  
210 215 220

Leu Arg Leu Ile Met Asp Asn Leu Pro Asn Tyr Asp Ile Thr Val Asp  
225 230 235 240

Cys Ile Lys Gln Thr Tyr Ile Met Lys Phe Thr Pro Ser Arg Pro Asp  
245 250 255

Asn Ala Thr Val Thr Val Pro Val Asn Ser Ile Cys Glu Ala Val Ala  
260 265 270

Thr Leu Asp Cys Thr Asp Glu Phe Arg Glu Glu Ile Gln Arg Gly Thr  
275 280 285

Thr Ile Ile Asn Ser Gln Gly Ser Leu  
290 295

<210> 145  
<211> 83  
<212> PRT  
<213> Japanese Maggot Herpesvirus

<100> 145

Met Leu Thr Arg Ala Pro Arg Leu Gly Ala Ser Val Gln Leu Thr Ala  
1 5 10 15

Val Arg Leu Leu Leu Phe Leu Thr Ser Ser Thr Pro Thr Ala Ile  
20 25 30

Asn Cys Thr Lys Pro Gly Ser Val Phe Phe Trp Leu Ser Trp Pro Lys  
 35 40 45

Val Phe Met Glu Asn His Tyr Ser Phe Ile Ser Val Asn Ser Val Ser  
50 55 60

Ile Thr Val Val Ala Ala Gly Lys Ile Ser Ser Arg Gly Lys Thr Ala  
65 70 75 80

Thr Asn Cys

<210> 146  
<211> 289  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 146

Met	Trp	Cys	Leu	Val	Gln	Arg	Ala	Gly	Pro	Pro	Val	Gly	Cys	Arg	Ser
1				5					10					15	

Pro Gly Gly Val Gln Val Pro Arg Trp Gly Ala Gly Pro Pro Val Gly  
20 25 30

Cys Arg Ser Pro Gly Gly Val Gln Val Pro Arg Trp Gly Ala Gly Pro  
35 40 45

Pro Val Gly Cys Arg Ser Pro Gly Gly Val Gln Val Pro Arg Trp Gly  
50 55 60

Ala Gly Pro Pro Val Gly Cys Arg Ser Pro Gly Gly Val Gln Val Pro  
65 70 75 80

Arg Trp Gly Ala Gly Pro Pro Val Gly Cys Arg Ser Pro Gly Gly Val  
85 90 95

Gln Val Pro Arg Trp Gly Ala Gly Pro Pro Val Gly Cys Arg Ser Pro  
100 105 110

Gly Gly Val Gln Val Pro Arg Trp Gly Ala Gly Pro Pro Val Gly Cys  
115 120 125

Arg Ser Pro Gly Gly Val Gln Val Pro Arg Trp Gly Ala Gly Pro Pro  
130 135 140

Val Gly Cys Arg Ser Pro Gly Gly Val Gln Val Pro Arg Trp Gly Ala  
145 150 155 160

Gly Pro Pro Val Gly Cys Arg Ser Pro Gly Gly Val Gln Val Pro Arg  
165 170 175

Trp Gly Ala Gly Pro Pro Val Gly Cys Arg Ser Pro Gly Gly Val Gln  
180 185 190

Val Pro Arg Trp Gly Ala Gly Pro Pro Val Gly Cys Arg Ser Pro Gly  
195 200 205

Gly Ala Pro Gly Gly Ser Gly Trp Gly Gly Gly Ser Gly Trp Leu Arg  
210 215 220

Val Gly Trp Arg Leu Arg Val Ala Pro Gly Gly Val Ala Ala Pro Gly  
225 230 235 240

Gly Ser Gly Trp Ala Gln Val Leu Lys Ala Thr Val Asn Pro Thr Ala  
245 250 255

Asn Pro Thr Gln Lys Ser Pro Cys Ala Ser Arg Ala Glu Ala Arg Leu  
260 265 270

Leu Thr Cys Ala Ser Gly Ala Leu Tyr Ile Gly Gln Asn Thr Leu Pro  
275                    280                    285

Lys

<210> 147  
<211> 108  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 147

Met Gly Asn Pro Arg Ile Asp Arg Ser His Ser Lys His Val Gly Phe  
1                    5                    10                    15

Thr Leu Phe Gly Glu Ser Pro Leu Ala Gly Pro Asn Val Pro Ala Arg  
20                    25                    30

Cys Thr Trp Val Leu Arg Asn Ala Lys Leu Pro Leu Pro Cys Arg Val  
35                    40                    45

Pro Tyr Ser Cys Ser Ala Ile Phe Glu Tyr Thr Ala Leu His Gly Trp  
50                    55                    60

Arg Ala Val Gly Arg Trp Cys Ala Asn Gln Lys Leu Met Ile His Leu  
65                    70                    75                    80

Leu Val Leu Trp Leu His Asn Asn Thr Met Leu Leu Ile Leu Gly Gly  
85                    90                    95

Cys Phe Gly Leu Tyr Lys Gly Arg Arg Lys His Arg  
100                    105

<210> 148  
<211> 234  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 148

Met Tyr Ser Trp Gly Glu Phe Arg Thr Met Glu Arg Lys Met Ser Leu  
1                    5                    10                    15

Arg Val Thr Arg Gly Ser Gln Lys His Ile Thr Met Gly Leu Phe Gly  
20                    25                    30

Ala His Lys Arg Ala Val Gly Asn Gly Leu Gly Gly Ala Pro Ala Pro  
35                    40                    45

Pro Cys Ala Arg Asn Leu Gly Arg Gly Val Arg Arg Gly Ser Pro Lys  
50                    55                    60

His Val Leu Met Val Ala Ala Arg Thr His Arg Pro Leu Phe Gly Ala  
65                    70                    75                    80

Gly Val Ile Arg Arg Ser Ala Gln Asn Val Ala His Gly Thr His Cys  
85                    90                    95

Thr His Gly Ala His Glu Gly Gly Val Ala Gly Arg Ser His Arg  
100                    105                    110

Ala Gly Arg Gly Ala Arg Arg Leu Trp His Arg Ala Ser Asp Val Tyr  
115                    120                    125

Gly Arg Asn Pro Leu Ser Arg Gly Ile Lys Gly Arg Arg Gln Gly Arg  
130                    135                    140

Phe Pro Leu Ala Arg Arg Ala Val Asn Gln Thr Asp Ala Arg Arg Arg  
145                    150                    155                    160

Leu Val Val Ala Thr Val Gly Phe Leu Leu Arg Cys Arg Val Pro Ser  
165                    170                    175

Arg Asp Trp Leu Gly Asp Leu Ser Ile Lys Asn Ala Arg Arg Pro Leu  
180                    185                    190

Ala Gln Pro Pro Val Asn His Gly Ile Leu Ala Ala Asn Trp Pro Lys  
195                    200                    205

Gln Thr Ala Asn Pro Arg Val Gly Phe Cys Leu Gln Val Pro Leu Tyr  
210                    215                    220

Tyr Ile Tyr Ser Ile Ile Phe Phe Pro Cys  
225                    230

<210> 149  
<211> 85  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 149

Met Thr Pro Ala Pro Lys Ser Gly Arg Trp Val Arg Ala Ala Thr Ile  
1                    5                    10                    15

Lys Thr Cys Phe Gly Asp Pro Arg Leu Thr Pro Arg Pro Lys Leu Arg  
20 25 30

Ala His Gly Gly Ala Gly Ala Pro Pro Ser Pro Phe Pro Thr Ala Arg  
35 40 45

Leu Trp Ala Pro Asn Arg Pro Met Val Ile Cys Phe Cys Asp Pro Arg  
50 55 60

Val Thr Arg Ser Asp Ile Leu Arg Ser Met Val Leu Asn Ser Pro His  
65 70 75 80

Glu Tyr Met Phe Arg  
85

<210> 150  
<211> 88  
<212> PRT  
<213> Japanese Macaque Herpesvirus  
  
<400> 150

Met Val Pro Phe Gly Ala His Gly Ala Val Phe Ala Ala Arg Gly Arg  
1 5 10 15

Arg Arg Val Thr Glu Thr Cys Thr His Gly Ala Asn Ser Gly Pro Trp  
20 25 30

Ser Ala Lys Cys Arg Ser Gly Ser Pro Glu Gly His Arg Asn Ile Ser  
35 40 45

Pro Trp Ala Tyr Leu Val Pro Ile Ser Gly Pro Trp Glu Met Gly Ser  
50 55 60

Val Gly Arg Arg Arg His His Val Pro Ala Ile Trp Gly Ala Gly Ser  
65 70 75 80

Gly Gly Gly His Arg Asn Met Phe  
85

<210> 151  
<211> 94  
<212> PRT  
<213> Japanese Macaque Herpesvirus  
  
<400> 151

Met Ser Cys Glu His Phe Pro Pro Gly Tyr Asn Gly Gln Glu Ser Ala

1

5

10

15

Gly Lys Thr Ser Thr Gly Leu Pro Val Gly Glu Arg Glu Ala Arg Arg  
20 25 30

Tyr Ala Ala Cys Val Ser Glu Val Ala Pro Met Gly Arg Met Thr Thr  
35 40 45

Pro Ala Thr Arg Arg Ala Ala Gly Ala Asp Ile Ser Gln Asn Arg Pro  
50 55 60

Arg Arg Gln Ala Ala Arg Leu Pro Pro Pro Thr Thr Leu Ile Leu Ala  
65 70 75 80

Phe Lys Leu Leu Phe Lys Ala Arg Leu Phe Val Ala Arg Ala  
85 90

<210> 152

<211> 174

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 152

Met Phe Pro His Lys Arg Ile Val Asp Leu Gly Arg His Leu Glu Ala  
1 5 10 15

Asp Asp Arg Glu Ala Val Leu Trp Leu Phe Asp Arg Pro Val Ser Asp  
20 25 30

Asn Thr Pro Glu Gly Phe Ala Asn Gly Leu Cys Pro Pro Thr Gly Glu  
35 40 45

Pro Gly Ile Pro Phe Pro Val Leu Leu Glu Ala Val Phe Leu Val Gly  
50 55 60

Arg Leu Asp Leu Val Ser Thr Phe Phe Leu Leu Asp Val Gly Phe Ile  
65 70 75 80

Val Glu Arg Leu Arg Ser Ser Pro Ser Tyr Phe Ser Pro Tyr Lys His  
85 90 95

Leu Met Leu Ser Ile Asn Arg Gln Leu Ser Glu Arg Asp Val Lys Asn  
100 105 110

Leu Val Phe Leu Thr Gly Asn Gln Leu Gly Arg Lys Arg Asn Gln Ser  
115 120 125

Pro Thr Phe Phe Gln Trp Ile Ser Gln Met Glu Lys Ala Ala Leu Val  
130 135 140

Ser Pro Ser Asp Tyr Leu Val Leu Lys Asp Leu Leu Gln Ala Val Ser  
145 150 155 160

Arg Arg Asp Val Ala Lys Val Val Ala Ala Asn Ala Pro Gly  
165 170

<210> 153

<211> 254

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 153

Met Ala Phe Val Gly Pro Val Pro Thr Gly Thr Ile Asp Pro Val Leu  
1 5 10 15

Tyr Gln Asp Arg Ala Leu Ser Asn Leu Leu Ala His Glu Thr Ser Phe  
20 25 30

Val Thr Ser Thr Ala Cys Tyr Gly Thr Val Gln Thr Glu Val Thr Leu  
35 40 45

Gly Met Arg Val Ile Leu Gly Thr Trp Met Arg Ser Val Ala Arg Ala  
50 55 60

His Gln Ala Asp Ala Ser Val Phe Pro Leu Ala Val Ser Ile Leu Asp  
65 70 75 80

Arg Tyr Leu Glu Cys Arg Ser Ile Pro Arg Arg Arg Phe Gln Arg Leu  
85 90 95

Gly Ala Ala Cys Leu Phe Leu Ala Gly Lys Ile Arg Asp Leu Asn Pro  
100 105 110

Phe Lys Ala Ala Phe Leu Cys Phe Cys Ala Ala Asp Asp Phe Ser Val  
115 120 125

Ala Asp Leu Leu Lys Gln Glu Lys Ser Val Leu Lys Ala Leu Arg Trp  
130 135 140

Lys Leu Glu Ala Val Leu Pro Thr Asp Ala Ile Gly Pro Ala Leu Phe  
145 150 155 160

Lys Ser Gly Phe Thr Lys Glu Gln Leu Phe Ala Leu His Ser Arg Val  
165 170 175

Val Glu Ser Val His Lys Ala Ile Val Asn Pro Val Thr Gly Gly Leu  
180 185 190

Ser Pro Ser Leu Val Ala Ala Cys Ala Leu Phe Ser Leu Gly Ala  
195 200 205

Ala Ala Pro Pro Leu Asp Lys Leu Ala Glu Ala Ile Gly Val Ser Ala  
210 215 220

Ala Thr Leu Thr Ala Ala Ala Glu Ser Val Ala Thr Thr Leu Arg Glu  
225 230 235 240

Leu Asp Glu Asp Arg Ile Leu Asn Asn Ala Arg Gly Ser Ser  
245 250

<210> 154

<211> 436

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 154

Met Trp Gly Ser Arg Gln His Arg Ser Gly Ile Val Ser Gly His Gly  
1 5 10 15

Leu Arg Ser Ser Cys Arg Gly His Cys Gly Arg Arg Gly Gly Thr Arg  
20 25 30

Glu Gln Ala Gly Gly Arg Ser Arg Gly Arg Gly Arg Gly Ala Ala Ala  
35 40 45

Pro Ala Ser Ala Ser Ala Ala Ser Ala Ser Pro Thr Pro Pro Gly Pro  
50 55 60

Gln Val Leu Val Val Glu Gln Gly His Gly Ser Asp Thr Glu Thr  
65 70 75 80

Ala Thr Glu Ser Gly His Gly Ser Ser Gln Gly Ser Pro Ser Gly Ser  
85 90 95

Gly Ser Glu Ser Val Ile Val Leu Gly Ser Pro Thr Pro Ser Pro Ser  
100 105 110

Gly Ser Ala Pro Val Leu Ala Ser Asp Leu Ser Pro Arg Asn Thr Ser  
115 120 125

Gly Ser Ser Pro Gly Ser Pro Ala Ser His Ser Pro Pro Pro Ser Pro  
130 135 140

Pro Ser His Pro Ala Pro Leu Ser Pro Ala Pro Pro Ser Ser His His  
145 150 155 160

Pro Ser Pro Asp Pro Gln Pro Pro Ser Phe Leu Gln Pro Leu Pro His  
165 170 175

Asp Ser Pro Glu Pro Pro Gly Pro Pro Thr Ser Ser Pro Pro Pro Asn  
180 185 190

Ser Pro Gly Pro Pro Gln Ser Pro Thr Pro Thr Ser Ser Pro Pro Pro  
195 200 205

Gln Ser Pro Pro Asp Ser Pro Gly Pro Gln Gln Ser Pro Thr Pro Gln  
210 215 220

Gln Ala Pro Ser Pro Asn Thr Gln Gln Ala Val Ser His Thr Asp His  
225 230 235 240

Pro Ala Gly Pro Ser Arg Pro Gly Pro Pro Phe Pro Gly His Thr Ser  
245 250 255

His Thr Tyr Thr Val Gly Gly Trp Gly Pro Pro Arg Arg Pro Gly Gly  
260 265 270

Val Pro Cys Leu Arg Leu Arg Cys Thr Ser His Asn Ser His Glu Asp  
275 280 285

Glu Val Pro Glu Arg Gln Arg Glu Gln Glu Gly Glu Glu Arg Gln Gln  
290 295 300

Gln Pro Ala Arg Pro Pro Arg Pro Pro Arg Tyr Pro Ile Pro Ile Pro  
305 310 315 320

Tyr Pro His Pro Arg Arg Arg Tyr Gln Glu Asn Thr Ala His Lys Glu  
325 330 335

Asp Phe Ile Val Arg Arg Trp Glu Thr Gly Ser Thr Pro Leu Asp Arg  
340 345 350

Ala Arg Gly Val Thr Glu Ser Ser Phe Val Thr Gln Thr Pro Ile His  
355                           360                           365

Cys Ile Ala Trp Gln Gly Ala Tyr Ser Phe Pro Gly Leu Glu His Pro  
370                           375                           380

Ala Ser Ala Phe Cys Arg Thr His Leu Glu Val Pro Ser Ser Arg Leu  
385                           390                           395                           400

Phe Ala Ser Arg Cys Ser Val Lys Val Ala Glu Pro Pro Arg Pro Ser  
405                           410                           415

Lys Lys Pro Val Ala Gly Gly Asn Asn Phe Thr His Pro Pro Pro Thr  
420                           425                           430

Ser Met Leu Ala  
435

<210> 155  
<211> 126  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 155

Met Gly Pro Val Glu Ala Leu Ala Ile Ala Val Val Gln Val Ser Arg  
1                           5                           10                           15

Ala Gly Ile Ala Glu Gly Ala Arg Thr Leu Ala Leu Ala Ile Val Val  
20                           25                           30

Val Gln Val Ser Trp Glu Gly Ala Arg Thr Leu Glu Ala Gln Ala Val  
35                           40                           45

Gln Val Ser Arg Gly Ala Thr Val Ala Lys Thr Thr Glu Ala Ala Asp  
50                           55                           60

Arg Ala Met Asp Asp Ala Thr Thr Ala Val Gln Val Arg Gly Gly Arg  
65                           70                           75                           80

Gly Ala Met Gly Val Met Val Gly Ala Asn Ala Met Arg Gly Ile Pro  
85                           90                           95

Gly Thr Thr Leu Met Cys Phe Glu Val Thr Gly Leu Lys Leu Thr Pro  
100                           105                           110

Ala Gln Thr Arg Leu Ala Met Ala Leu Glu Ile Pro Thr Arg

115

120

125

<210> 156

<211> 108

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 156

Met Thr Asp Ser Asp Pro Asp Pro Glu Gly Asp Pro Cys Asp Asp Pro  
1 5 10 15

Cys Pro Asp Ser Val Ala Val Ser Val Ser Asp Pro Cys Pro Cys Ser  
20 25 30

Thr Thr Thr Arg Thr Cys Gly Pro Gly Gly Val Gly Glu Ala Glu Ala  
35 40 45

Ala Asp Ala Glu Ala Gly Ala Ala Ala Pro Arg Pro Leu Pro Arg Leu  
50 55 60

Arg Pro Pro Ala Cys Ser Leu Val Pro Pro Arg Leu Pro Gln Cys Pro  
65 70 75 80

Leu Gln Glu Leu Arg Asn Pro Cys Pro Asp Thr Met Pro Glu Arg Cys  
85 90 95

Cys Arg Leu Pro His Met Ile Ala Val Tyr Cys Val  
100 105

<210> 157

<211> 83

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 157

Met Arg Ala Arg Pro Asp Gln Asn Ser Pro Pro Pro Ser Gly His Asn  
1 5 10 15

Arg Lys Arg Thr Lys His Arg Phe Cys Val Arg Ala Leu Arg Trp Leu  
20 25 30

Arg Val Val Glu Arg Ala Ile Tyr Leu Ile Cys Arg Phe Leu His Ala  
35 40 45

Val Asn Arg Asp His Val Gly Gln Pro Ala Thr Ser Phe Arg His Ser  
50 55 60

Ile Gly Thr Arg Val Ala Lys Phe Leu Gln Gly Thr Leu Arg Lys Thr  
65 70 75 80

Arg Arg His

<210> 158  
<211> 86  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 158

Met Ala Leu Arg Val Gly Gly Asn Leu Phe Glu Lys Asp Leu Leu Pro  
1 5 10 15

Pro Gly Val Lys His Arg His Arg Pro Cys Val Phe Asn His Val Gly  
20 25 30

Arg Asn Tyr Ile Asn Ala Ala Ala Gly Asp Ala Arg His Gly Ser Val  
35 40 45

Arg Ser Ser Asn Ala Leu Cys Gly Gly Pro Arg Ala Leu Tyr Arg Val  
50 55 60

Pro Trp Val Arg Val Asn Asn Ser Pro Gln Arg Ser Tyr Arg Tyr Leu  
65 70 75 80

Ala Lys Thr Gly Ile Ala  
85

<210> 159  
<211> 253  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 159

Met Leu Gly Gly Ile Thr Leu Thr Leu Leu Ala Thr Leu Ala Thr  
1 5 10 15

Val Arg Cys Ala Leu Gln Thr His Tyr Ala Ala Val Pro Val His Ser  
20 25 30

Thr Ala Ser Leu Gly Cys Val Leu Thr Thr Ala His Asn Val Leu Ile  
35 40 45

Val Thr Trp Gln Lys Gln Glu Ser Pro Ser Pro Val Asn Val Ala Thr

50

55

60

Tyr Ser Ser Glu Ala Gly Thr Val Val Gln Pro Pro Phe Ala Gly Arg  
65 70 75 80

Val Asp Ile Pro Glu His Lys Leu Thr Arg Thr Thr Leu Lys Phe Phe  
85 90 95

Asn Ala Thr Met Glu Asp Glu Gly Cys Tyr Leu Cys Ile Phe Asn Ala  
100 105 110

Phe Gly Val Gly Lys Leu Ser Gly Thr Ala Cys Leu Thr Val Tyr Val  
115 120 125

Pro Leu Ser Met Ser Val Thr Phe Tyr Pro Pro Ile Asn Pro Thr Gln  
130 135 140

Leu Val Cys Arg Ala Glu Ala Ser Pro Ala Pro Ser Val Asn Trp Thr  
145 150 155 160

Gly Val Pro Pro Glu Leu Cys Ser Glu Pro Glu Val Phe Pro Arg Pro  
165 170 175

Asn Gly Thr Thr Leu Val Val Gly Arg Cys Asn Val Thr Ser Val Asp  
180 185 190

Pro Glu Asp Leu Arg Asn Ala Thr Cys Leu Val Thr His Ile Gly Gly  
195 200 205

Leu Ala Ser Ala Arg Pro Leu Gly Pro Val Phe Ser Asp Pro Leu Glu  
210 215 220

Gly Thr Ser His Tyr Val Val Gly Val Val Ala Ala Val Ala Val Leu  
225 230 235 240

Gly Ile Phe Leu Thr Gly Val Phe Leu Tyr Arg Ser Met  
245 250

<210> 160

<211> 165

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 160

Met Ser Asp Gln Ala Arg Gly Val Ser Glu Val Phe Gly Ile His Arg  
1 5 10 15

Arg Tyr Val Ala Ala Thr His Asp Gln Gly Cys Ser Val Gly Ser Gly  
20 25 30

Lys His Phe Gly Phe Ala Ala Gln Leu Gly Trp His Ala Gly Pro Val  
35 40 45

Asn Arg Arg Cys Gly Thr Gly Leu Gly Pro Thr Asp Lys Leu Arg Arg  
50 55 60

Val Asn Trp Gly Val Lys Arg Asp Gly His Gly Gln Gly Asp Val Asn  
65 70 75 80

Arg Gln Ala Gly Gly Ser Arg Gln Leu Ser His Ser Lys Arg Val Lys  
85 90 95

Asp Thr Gln Val Ala Pro Leu Val Leu His Ser Gly Ile Lys Lys Leu  
100 105 110

Gln Gly Cys Ser Gly Gln Leu Val Phe Gly Asp Val Asn Pro Thr Gly  
115 120 125

Glu Arg Gly Leu Asn His Arg Ala Arg Phe Gly Thr Ile Cys Gly His  
130 135 140

Val Asn Gly Ala Arg Arg Phe Leu Phe Leu Pro Gly Asn Asp Lys Asn  
145 150 155 160

Val Val Gly Cys Cys  
165

<210> 161  
<211> 342  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 161

Met Asp Ala Leu Asn Asn Leu Asn Leu Leu Met Asp Phe Leu Ser  
1 5 10 15

Asn Tyr Ser Asn Ser Tyr Ser Ser Tyr Asp Asp Asn Ile Ser Tyr Thr  
20 25 30

Leu Asp Thr Glu Ser Thr Leu Cys Arg Leu Thr Ile Ile Phe Pro Pro  
35 40 45

Thr Ile Tyr Ala Ile Ile Cys Phe Phe Ile Phe Cys Ile Thr Leu Leu  
50 55 60

Gly Asn Ala Leu Val Leu Tyr Ile Phe Phe Lys Phe Lys Ala Leu Ala  
65 70 75 80

Asn Ser Val Asp Val Leu Met Ala Gly Leu Cys Cys Asn Ser Leu Phe  
85 90 95

Leu Cys Ala Ser Phe Leu Phe Ser Trp Leu Leu Tyr Val Ala Pro Gln  
100 105 110

Ile Leu Thr Pro Ala Thr Cys Lys Val Glu Ile Phe Phe Tyr Leu  
115 120 125

Tyr Thr Tyr Phe Gly Val Tyr Ile Val Val Cys Ile Ser Leu Ile Arg  
130 135 140

Cys Leu Leu Val Val Phe Ser Arg Arg Pro Trp Val Lys His Trp Ala  
145 150 155 160

Ser Gly Phe Leu Cys Val Cys Val Ser Leu Ile Val Ala Leu Ala Leu  
165 170 175

Ser Ala Asn Ala Ser Leu Tyr Arg Thr Ala Leu Arg His Pro Glu Thr  
180 185 190

Ser Glu Trp Ile Cys Tyr Glu Asp Ala Gly Glu Asp Thr Val Asn Trp  
195 200 205

Lys Leu Arg Ile Arg Thr Ile Ser Ala Ile Cys Gly Phe Leu Val Pro  
210 215 220

Phe Gly Leu Leu Val Leu Phe Tyr Gly Leu Thr Trp Cys Ile Val Lys  
225 230 235 240

Ser Thr Lys Leu Ala Arg Lys Gly Ala Val Arg Gly Val Ile Val Thr  
245 250 255

Val Val Val Leu Phe Leu Ile Phe Cys Leu Pro Tyr His Leu Cys Asn  
260 265 270

Phe Phe Asp Thr Leu Leu Arg Thr Gly Phe Val Thr Glu Thr Cys Tyr  
275 280 285

Ile Arg Asp Val Ile Ser Val Ala Met His Ile Cys Ser Leu Leu Gln  
290 295 300

Ser Met Tyr Ser Ala Phe Val Pro Val Val Tyr Ser Gly Leu Gly Ser  
305 310 315 320

Leu Phe Arg Arg Arg Val Arg Asp Thr Trp Ser Met Phe Arg Cys Phe  
325 330 335

Ser Thr Ser Gly Ser Leu  
340

<210> 162  
<211> 1298  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 162

Met Ala Gln Arg Thr Asn Pro Arg Trp Ala Ala Ala Ala Leu Ser Ala  
1 5 10 15

Asp Glu Glu Ala Phe Ile His Asp Asn Ser Asp Ala Glu Ser Val Leu  
20 25 30

Ala Leu Val Pro Glu Gln Cys Phe Ser Glu Phe Leu Leu Trp Leu Val  
35 40 45

Thr Arg Pro Ser Asp Asn Phe Asp Asn Asp Asp Asp Asp Pro Thr Leu  
50 55 60

Gly Val Ile Trp Gln Leu Leu Ala Pro Leu Val Asn Tyr Ala Pro Leu  
65 70 75 80

Glu Thr Arg Ser Ala His Leu Gln Gly His His Thr Ile Ser Leu Pro  
85 90 95

Tyr Gly Pro Asp Leu Leu Arg Gln Pro Thr Thr Arg Ser Ser Glu Leu  
100 105 110

Val Gln Cys Leu Arg Asp Ser Gly Phe Asp Thr Ala Leu Arg Leu Glu  
115 120 125

Leu Ala Arg His Leu Ser Cys Gln Thr Arg Arg Phe Val Ala Asp Arg  
130 135 140

Val Pro Pro Gly Thr Phe Ala Ala Leu Thr Leu Gly Ala Leu Val Glu  
145 150 155 160

Tyr Asp Val Arg Val Gln Arg Gln Leu Pro Val Thr Val Gln Ser Thr  
165 170 175

Ala Trp Arg Pro Leu Pro Glu Arg Asp Pro Ile Cys Ala Ala Val Met  
180 185 190

Leu Pro Leu Gln Arg Asn Ile Leu Pro Leu Ala Val Gln Ala Ser Asn  
195 200 205

Gly Asn Ser Tyr Thr Val Ser Arg Tyr Ala Val Met Ala Arg Arg Ser  
210 215 220

Tyr Gly Cys Val Phe Gln Arg Leu Pro Cys Glu Asn Val Thr His Ile  
225 230 235 240

Ala Asp Ser Phe Thr His Leu His Ser Ala Ile Arg Thr Gly Ala Gly  
245 250 255

Ala Leu Gln Asp Ile Leu Phe His Ser Thr Leu Leu Pro Gly Gly Asp  
260 265 270

Ile Arg Ser Ala Leu Cys Gly Phe Tyr Ala Thr Thr Pro Ser Val Gly  
275 280 285

Ala Phe Ser Arg Ala Arg His Arg Ala Ile Asn Thr Thr Thr Thr Leu  
290 295 300

His Cys Gln Gln Leu Ala Arg Thr Gly Thr Pro Val Leu Gly Gly Phe  
305 310 315 320

Leu Lys Thr Val His Ser Ala Thr Thr Ser Glu Ala Asn Val Ile Thr  
325 330 335

Thr Thr Ser Leu Leu Ser Cys Val Pro Gln Ala Tyr Thr Phe Leu Arg  
340 345 350

Arg Ser Leu Phe Asn Gln Pro Ile Ile Cys Leu Gly Ser Phe Glu Pro  
355 360 365

Val Asp Gly Asp Gly Asn Gln Arg Ser Leu Tyr Leu Gly Ser Ala Ala  
370 375 380

Gly Ile Asn Arg Ile Asn Gln Thr Leu Ser Leu Ala Tyr Glu Ile Leu  
385 390 395 400

Glu Gly Pro Leu Phe Thr Ser Ile Asn Arg Ala His Glu Pro Ala Ser  
405 410 415

Thr Ile Ser His Leu Gly Ala Leu Val Ser Arg Gly Gly Leu Arg Leu  
420 425 430

Phe Val Ser Gln Leu Pro Pro Thr Ile Leu Ser Gln Leu Thr Ala Thr  
435 440 445

Pro Asp Ile Ser Arg Glu Thr Val Asn Asp Ile Leu Leu Asn Lys Phe  
450 455 460

Leu Asn Val Ser Ala Phe Val Val Phe Ala Val Leu Pro Arg Asp Thr  
465 470 475 480

Glu Pro Glu Pro Gly Pro Leu Asp Ala Ile Arg Arg Ala Ala Arg Ile  
485 490 495

Cys Gly Cys Pro Phe Ala Val Val Gly Glu Thr Cys Glu Glu Pro Gly  
500 505 510

Ile Gln Phe Val Asn Asp Leu Glu Leu Trp Asn Pro Gly Ala Trp Pro  
515 520 525

Ile Arg Gln Pro Thr Ser Ala Glu Val Ile Ala Thr Phe Gly Phe Asp  
530 535 540

Glu Gln Pro Val Ser Ser Asn Trp Leu Val Arg Pro Glu Glu Pro Glu  
545 550 555 560

Glu Gly Gly Glu Gln Ala Pro Ser Pro Thr Asp Trp Gly Leu Phe Arg  
565 570 575

Leu Ala Ser Val Val Asp Gln Leu Leu Arg Cys Pro Thr Val Gly Ser  
580 585 590

Lys Glu Phe Val Thr Arg His Val Asp Arg Cys Ser Asn Gly Leu Val  
595 600 605

Ala Gln Gln Cys Glu Val Gly Pro Leu Gly Arg Pro Leu Ser Asp Tyr  
610 615 620

His Ile Val Asn His Thr Ala Val Phe Thr Asp Arg Met Ala Arg Val  
625 630 635 640

Pro Ile His Arg Pro Gln Pro Ile Thr Arg Gln Asp Ala Thr Glu Arg  
645 650 655

Leu Gly Ser Pro Glu Thr Trp Val Thr Gln Gly Arg Gly Arg Leu Arg  
660 665 670

Trp Val Gly Gln Cys Val Ala His Gly Glu Gln Ala Tyr Lys Met Gly  
675 680 685

Ile Asp Ala Ala Val Gly Ala Arg Tyr Ala Ile Cys Glu Ala Val Thr  
690 695 700

Asn Ile Met Leu Ala His Val Arg Arg Leu Ser Asp Ile Thr Leu Thr  
705 710 715 720

Ala Ser Val Gly Trp Asn Pro Glu Glu Asp Gln Ala Trp Leu Leu Gln  
725 730 735

His Ala Leu Phe Ala Cys Lys Glu Leu Cys Arg Asp Leu Ser Val Asn  
740 745 750

Phe Ala Ile Thr Ser Ala Gly Ser Thr Pro Cys Leu Ser Glu Glu Leu  
755 760 765

Ile Ser Ala Thr Gln Gln His Gln Thr Val Ala Pro Val Pro Phe Asn  
770 775 780

Ala Val Ile Ile Thr Ala Thr Ala Glu Val Lys Ser Ser Arg Arg Arg  
785 790 795 800

Val Thr Pro Asp Leu Lys Ala Thr Gly Asn Leu Leu Val Leu Val Thr  
805 810 815

Phe Pro Gly Pro His Leu Thr Gln Gly Ser Thr Phe Glu His Leu Cys  
820 825 830

Leu Leu Pro Ser Pro Thr Leu Pro Asp Val Gln Ala Thr His Leu Ala  
835 840 845

Asn Leu Phe Met Leu Thr Glu Ser Met Leu Ser Arg Gly Leu Val Val  
855 860

Ser Gly His Asp Val Ser Asp Gly Gly Val Val Val Thr Ala Ile Glu  
865 870 875 880

Met Ala Leu Ala Gly Asn Arg Gly Leu Gln Ile Cys Ile Pro Ser Glu  
885 890 895

Glu Thr Pro Leu Pro Trp Leu Val Ser Glu Thr Pro Gly Val Ile Phe  
900 905 910

Glu Ile Leu Pro Gln His Val Asp Glu Val Arg Gln Ala Cys Gln Asn  
915 920 925

Phe Asp Cys Gln Ala Thr Val Cys Gly Thr Val Gly Gln Glu Gly Leu  
930 935 940

Ser Glu Arg Ile Val Ile Ser His Asn Asn Glu Glu Val Tyr Ser Gln  
945 950 955 960

Thr Leu Thr Ser Val Ala Ala Asn Trp Thr Ser Phe Ser Asp Glu Gln  
965 970 975

Trp Tyr Ser Trp Gly Pro Ser Phe Thr Pro Ala Gln Glu Leu Tyr Arg  
980 985 990

Lys Asp Tyr Gly Cys Asn Arg His Asn Leu Gly His Leu Ala Asp Val  
995 1000 1005

Cys Arg Asn Ser Glu Leu Thr Leu Phe Ala Val Pro Ser Arg Pro  
1010 1015 1020

Pro Ala Val Ala Ala Leu Ile Ala Pro Gly Ala Pro Leu Pro Arg  
1025 1030 1035

Ala Leu Met Ala Ala Phe Thr Asn Val Gly Phe Asp Val Ala Ala  
1040 1045 1050

Val Ser Thr Asn Asp Leu Arg Gly Gly Asn Ile Leu Arg Gly Phe  
1055 1060 1065

Ser Gly Leu Thr Ile Gly Gly Asn Val Gly Ile Glu Asp Ser Tyr  
1070 1075 1080

Val Gly Ala Arg Cys Ala Ile Met Gly Leu Leu Asn Asp Pro Gly  
1085 1090 1095

Cys Tyr Gly Gly Leu Met Ala Phe Phe Arg Arg Ala Asp Thr Phe  
1100 1105 1110

Ser Leu Cys Cys Gly Glu Phe Gly Phe Gln Leu Leu Gly Ala Leu  
1115 1120 1125

Gly Leu Leu Arg Glu Thr Pro His Asp Thr Pro Gly Pro Lys Thr  
1130 1135 1140

Pro Asp Gln Trp Asp Ile His Leu Glu Glu Asn Ala Ser Gly Asn  
1145 1150 1155

His Glu Cys Leu Trp Leu Asn Leu His Ile Pro Gln Thr Thr Ile  
1160 1165 1170

Ser Ile Met Phe Arg Val Leu Arg Gly Leu Val Leu Pro Gly Trp  
1175 1180 1185

Ala Asn Gly Arg Tyr Leu Gly Val Arg Tyr Pro Arg Asp Ala Ile  
1190 1195 1200

Glu Tyr His Leu Asn Gln Gln Gln Arg Ile Ala Leu Asn Phe His  
1205 1210 1215

Thr Gly Asn Pro Asp Pro Arg Met Phe Ala Gln His Tyr Pro Arg  
1220 1225 1230

Asn Pro Ser Ala Asn Ser Ala Val Ala Ala Ile Thr Ser Pro Asp  
1235 1240 1245

Gly Arg His Leu Ala Ser Leu Val Asp Pro Ala Val Val Phe His  
1250 1255 1260

Pro Trp Gln Trp Ala Tyr Val Pro Pro Glu Leu Ala Asp Met Thr  
1265 1270 1275

Ile Ser Pro Trp Ala Leu Ala Phe Gln Ser Leu Phe Leu Trp Cys  
1280 1285 1290

Val Arg Asn Arg Gln  
1295

<210> 163  
<211> 90  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 163

Met Arg Asn His Gly Ser Ser Gln Arg Pro Trp Val Leu Trp Gly Pro  
1 5 10 15

Tyr Gly Ile Leu Pro Pro Ser Gly Tyr Ile Phe Thr Val Leu Arg Gly  
20 25 30

Val Trp Val Pro Ala Pro Gly Gly Ala Arg Ser Thr Gln Arg Asn Pro  
35 40 45

Ser Arg His Ala Arg Ala Gln Asn Pro Arg Pro Val Gly His Pro Pro  
50 55 60

Gly Gly Glu Arg Ile Arg Glu Pro Arg Val Pro Leu Ala Lys Pro Pro  
65 70 75 80

His Pro Pro Asp His His Gln His Asn Val  
85 90

<210> 164

<211> 84

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 164

Met Pro Thr Phe Pro Pro Met Val Lys Pro Glu Asn Pro Arg Arg Met  
1 5 10 15

Phe Pro Pro Leu Arg Ser Leu Val Glu Thr Ala Ala Thr Ser Asn Pro  
20 25 30

Thr Leu Val Asn Ala Ala Ile Ser Ala Leu Gly Ser Gly Ala Pro Gly  
35 40 45

Ala Ile Arg Ala Ala Thr Ala Gly Gly Leu Asp Gly Thr Ala Asn Ser  
50 55 60

Val Ser Ser Leu Phe Leu Gln Thr Ser Ala Arg Trp Pro Arg Leu Cys  
65 70 75 80

Arg Leu His Pro

<210> 165

<211> 107

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 165

Met Thr Ile Leu Ser Asp Arg Pro Ser Trp Pro Thr Val Pro His Thr  
1 5 10 15

Val Ala Trp Gln Ser Lys Phe Trp His Ala Trp Arg Thr Ser Ser Thr  
20 25 30

Cys Trp Gly Arg Ile Ser Lys Ile Thr Pro Gly Val Ser Asp Thr Ser  
35 40 45

His Gly Arg Gly Val Ser Ser Asp Gly Met Gln Ile Cys Arg Pro Arg  
50 55 60

Leu Pro Ala Arg Ala Ile Ser Ile Ala Val Thr Thr Thr Pro Pro Ser  
65 70 75 80

Leu Thr Ser Trp Pro Asp Thr Thr Arg Pro Arg Glu Ser Ile Asp Ser  
85 90 95

Val Ser Ile Lys Arg Leu Ala Arg Cys Val Ala  
100 105

<210> 166

<211> 131

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 166

Met Ala Lys Phe Thr Leu Arg Ser Arg His Ser Ser Leu Gln Ala Asn  
1 5 10 15

Ser Ala Cys Cys Ser Ser Gln Ala Trp Ser Ser Ser Gly Phe Gln Pro  
20 25 30

Thr Asp Ala Val Ser Val Met Ser Leu Arg Arg Arg Thr Cys Ala Ser  
35 40 45

Met Met Leu Val Thr Ala Ser Gln Met Ala Tyr Leu Ala Pro Thr Ala  
50 55 60

Ala Ser Met Pro Ile Leu Tyr Ala Cys Ser Pro Trp Ala Thr His Cys  
65 70 75 80

Pro Thr His Leu Ser Leu Pro Leu Pro Trp Val Thr Gln Val Ser Gly  
85 90 95

Leu Pro Arg Arg Ser Val Ala Ser Cys Leu Val Ile Gly Trp Gly Arg  
100 105 110

Cys Met Gly Thr Arg Ala Ile Leu Ser Val Asn Thr Ala Val Trp Leu  
115 120 125

Thr Met Trp  
130

<210> 167  
<211> 160  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 167

Met Pro Phe Cys Arg Arg Gly Asn Leu Arg Arg Ala Gly Asn Pro  
1 5 10 15

Val Arg Glu Arg Pro Arg Ala Val Glu Pro Gly Ser Val Ala Asp Gln  
20 25 30

Thr Ala Asp Leu Gly Arg Ser Asp Arg Asn Phe Trp Val Arg Arg Ala  
35 40 45

Ala Arg Phe Leu Gln Leu Ala Gly Ala Pro Arg Arg Thr Gly Gly  
50 55 60

Arg Arg Thr Gly Thr Leu Ala Asp Arg Leu Gly Pro Ile Pro Pro Gly  
65 70 75 80

Leu Arg Gly Arg Ser Ala Ser Ala Met Ser Asn Arg Arg Gln Gln Arg  
85 90 95

Val Cys His Ala Thr Cys Gly Gln Met Leu Gln Arg Thr Arg Ser Ser  
100 105 110

Ala Val Arg Ser Gly Thr Pro Gly Pro Thr Ala Val Arg Leu Pro His  
115 120 125

Arg Gln Pro His Gly Gly Val Tyr Gly Gln Asn Gly Ala Gly Ala His  
130 135 140

Thr Ser Pro Pro Thr Asp His Gln Ala Gly Arg Asp Gly Thr Pro Gly

145 150 155 160

<210> 168  
<211> 102  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 168

Met Phe Arg Cys Asn Gly Ser Ile Thr Ala Ala His Ile Gly Ser Leu  
1 5 10 15

Ser Gly Asn Gly Leu Gln Ala Val Asp Cys Thr Val Thr Gly Ser Trp  
20 25 30

Arg Cys Thr Arg Thr Ser Tyr Ser Thr Ser Ala Pro Ser Val Arg Ala  
35 40 45

Ala Asn Val Pro Gly Gly Thr Arg Ser Ala Thr Asn Arg Leu Val Trp  
50 55 60

Gln Leu Arg Cys Leu Ala Ser Ser Asn Arg Asn Ala Val Ser Lys Pro  
65 70 75 80

Leu Ser Leu Arg His Cys Thr Ser Ser Leu Asp Leu Val Val Gly Trp  
85 90 95

Arg Ser Arg Ser Gly Pro  
100

<210> 169  
<211> 123  
<212> PRT  
<213> Japanese Macaque Herpesvirus

<400> 169

Met Phe Val Ser Phe Ala Thr Met Gly Asn Thr Tyr Asp Phe Tyr Asn  
1 5 10 15

Asn Asn Ile Met Glu Trp Thr Leu Gln Asn Tyr Thr Leu Asn Thr Ala  
20 25 30

Asn Ile Tyr Ser Asn Gly Ile Leu Trp Ile Cys Met Val Lys Phe Thr  
35 40 45

Asn Lys His Cys Lys Asn Asn Trp Ile Val Val Cys Asn Ile Cys Arg  
50 55 60

Tyr Val Ala Ile Leu Leu Leu Phe Ile Ile Asn Arg Gly Asn Ile Tyr  
65 70 75 80

Glu Glu Ile Asn Cys Leu Phe Phe Val Thr Ala Leu Ile Gly Met Tyr  
85 90 95

Ala Val Thr Glu Ala Ser Thr Thr Ser Ser Leu Thr Met Ala Leu Ala  
100 105 110

Tyr Ser Ile Ile Thr Ala Asn Thr Gly Ile Phe  
115 120

<210> 170

<211> 85

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 170

Met Ala Cys Asn Cys Pro Phe Phe Val Trp Cys Thr Trp Leu Phe Ser  
1 5 10 15

Asn Ile Leu Thr Gly Thr Phe Trp Leu Ile Ser Leu Ala Gln Tyr Ala  
20 25 30

Cys Asp Asn Asn Lys Asp Leu Tyr Ile Val Ala Val Ser Thr Val Ala  
35 40 45

Cys Phe Phe Phe Leu Trp Lys Ser Leu Gly Leu Tyr Phe Tyr Gln Ser  
50 55 60

Arg Ser Gln Arg Leu Asn Thr Pro Leu Leu Lys Leu Ile Pro Trp Ile  
65 70 75 80

Thr Gly Met Thr Leu  
85

<210> 171

<211> 144

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 171

Met Pro Gly Gly Gly Arg Pro Ala Ser Gly Ala Ala Arg Arg Gly Leu  
1 5 10 15

Trp Gly Pro Gly Leu Gly Gly Arg Arg Gly Ala Ala Pro Pro Gly Ser

20

25

30

Ala Gly Pro Gly Arg Ser Arg Glu Ser Ala Gly Pro Gly Gly Ala Gly  
35 40 45

Pro Gly Gly Gly Pro Gly Pro Pro Arg Asp Pro Arg Pro Arg Glu Pro  
50 55 60

Lys Ala Ala Arg Arg Ala Ala Arg Gly Gly Arg Gly Arg Arg Pro Arg  
65 70 75 80

Ala Arg Ala Gly Arg Ala Glu Gly Arg Glu Pro Gly Glu Ala Gly Gly  
85 90 95

Ala Pro Leu Gly Gly Pro Gly Ala Ala Arg Glu Thr Leu Ala Pro Gly  
100 105 110

Ala Arg Trp Arg Pro Arg Pro Arg Ala Ala Ala Gly Arg Ala Pro Gly  
115 120 125

Gly Pro Arg Arg Ala Pro Pro Leu Gly Ala Leu Ala Trp Arg Arg Cys  
130 135 140

<210> 172

<211> 91

<212> PRT

<213> Japanese Macaque Herpesvirus

<400> 172

Met Pro Gly Gly Arg Arg Pro Ala Trp Arg Ser Ser Ala Gly Leu Pro  
1 5 10 15

Ser Pro Thr Ser Pro Arg Lys Val Val Ser Ala Pro Pro Gly Gly Gly  
20 25 30

Leu Gly Pro Gly Ala Pro Arg Arg Gly Arg Pro Arg Gly Ala Thr Glu  
35 40 45

Gly Pro Gly Arg Thr Gly Asp Arg Glu Asn Ala Arg Gly Gly Gly Gly  
50 55 60

Gln Arg Gly Thr Cys Ala Cys Leu Trp Asn Thr Met Ala Cys Trp Pro  
65 70 75 80

Ala Arg Leu Leu Gly Ser Leu Gln Ala Cys Cys  
85 90